PIONEER®
The Art of Entertainment

Service Manual

ORDER NO.
RRV1779

AUDIO/VIDEO STEREO RECEIVER

VSX-536S
VSX-436

- **Refer to the service manual RRV1769 for VSX-806RDS/ HYXJI.**

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model		Power Requirement	The voltage can be converted by the following method
	VSX-536S	VSX-436		
HLXJI	○	○	AC220–230V	AC240V, *
YPWXJI	○	○	AC240V	————

* : Alter the wiring of the Power-supply block at the primary winding of power transformer referring to the "Line Voltage Selection" described in Service Manual.

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1. CONTRAST OF MISCELLANEOUS PARTS

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *Ref. No.: Numbers following P and hyphen (–) indicate the page(s) and location number(s) in the RRV1769 service manual, respectively.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47K ohm (tolerance is shown by J=5%, and K=10%).

560 → 56 × 10^1 → 561 .... RD1/4PU $\boxed{5}\boxed{6}\boxed{1}$ J
47 k → 47 × 10^3 → 473 .... RD1/4PU $\boxed{4}\boxed{7}\boxed{3}$ J
0.5 → R50 .... RN2H $\boxed{R}\boxed{5}\boxed{0}$ K
1 → 1R0 .... RS1P $\boxed{1}\boxed{R}\boxed{0}$ K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k → 562 × 10^1 → 5621 .... RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}$ F

■ CONTRAST TABLE

VSX-536S/HLXJI, YPWXJI, VSX-436/HLXJI, YPWXJI and VSX-806RDS/HYXJI have the same construction except for the following :

Ref. No.	Mark	Symbol & Description	Part No.					Remarks
			VSX-806RDS	VSX-536S		VSX-436		
			HYXJI	HLXJI	YPWXJI	HLXJI	YPWXJI	
		PACKING						
P3-1	NSP	Dry Cell Battery (R6P, AA)	VEM-013	Not used	Not used	VEM-013	VEM-013	
P3-1	NSP	Alkaline Dry Cell Battery (LR6, AA)	Not used	AEX1007	AEX1007	Not used	Not used	
P3-3		Operating Instructions (English/French/German/Italian)	ARE7100	Not used	Not used	Not used	Not used	
P3-3		Operating Instructions (English)	Not used	ARB7101	ARB7101	ARB7101	ARB7101	
		Sub Instruction Manual (ISC) (Remote Control Unit) (English)	Not used	ARH7015	ARH7015	Not used	Not used	
P3-5	NSP	Warranty Card	ARY7009	Not used	PRY1003	Not used	PRY1003	
P3-8		Operating Instructions (Dutch/Swedish/Spanish/Portuguese)	ARC7163	Not used	Not used	Not used	Not used	
P3-8		Operating Instructions (Chinese)	Not used	ARC7147	Not used	ARC7147	Not used	
P3-9		Remote Control Unit (CU-VSX118)	AXD7129	Not used	Not used	Not used	Not used	
P3-9		Remote Control Unit (CU-VSX115)	Not used	AXD7124	AXD7124	Not used	Not used	*
P3-9		Remote Control Unit (CU-VSX121)	Not used	Not used	Not used	AXD7130	AXD7130	
P3-12		Packing Case	AHD7405	AHD7407	AHD7407	AHD7406	AHD7406	
P3-15		Battery Cover	AZA7219	AZN7327	AZN7327	AZA7219	AZA7219	
		EXTERIOR						
P6-18	⚠	AC Power Cord	ADG7016	ADG7016	ADG1159	ADG7016	ADG1159	
P6-23		Rear Panel	ANC7537	ANC7541	ANC7542	ANC7539	ANC7540	
		FRONT PANEL SECTION						
	NSP	FRONT & R/C AMP ASSY	AWK7356	AWK7401	AWK7401	AWK7358	AWK7358	
P7-3		└FL/U-COM ASSY	AWZ8625	AWZ8846	AWZ8846	AWZ8632	AWZ8632	
P7-11		FL Filter	AAK7297	AAK7294	AAK7294	AAK7294	AAK7294	
P7-12		Sub Panel	AAP7027	AAP7028	AAP7028	AAP7028	AAP7028	
P7-13		Front Panel	AMB7422	AMB7424	AMB7424	AMB7423	AMB7423	

NOTE *: Refer to "2. REMOTE CONTROL UNIT".

FL/U-COM ASSY

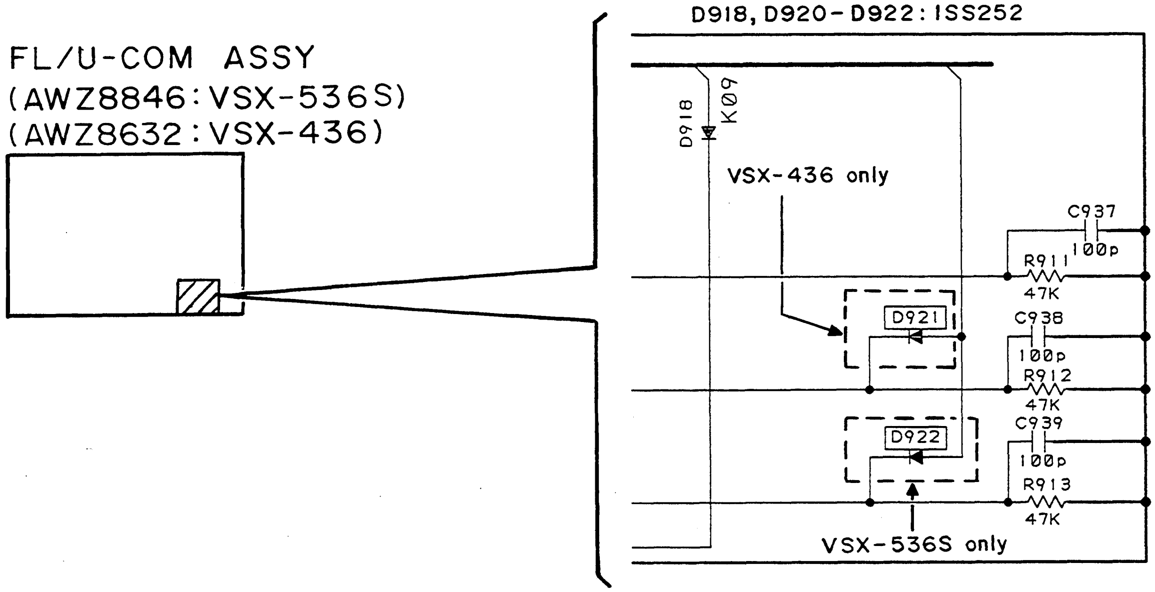
AWZ8846, AWZ8632 and AWZ8625 have the same construction except for the following :

Mark	Symbol & Description	Part No.			Remarks
		AWZ8625	AWZ8846	AWZ8632	
	IC951	SAA6579	Not used	Not used	
	Q951	KRC101M	Not used	Not used	
	Q952	2SA1115	Not used	Not used	
	Q953	2SC1740S	Not used	Not used	
	D921	Not used	Not used	1SS252	*
	D922	Not used	1SS252	Not used	*
	L951	LAU2R2J	Not used	Not used	
	C951	CCCCH820J50	Not used	Not used	
	C952	CCCCH470J50	Not used	Not used	
	C953, C959	CEAS101M10	Not used	Not used	
	C954, C958	CGCYX103M16	Not used	Not used	
	C955	CKCYB561K50	Not used	Not used	
	C956	CEAS2R2M50	Not used	Not used	
	C957	CEAS1R0M50	Not used	Not used	
	R951	RD1/4PU473J	Not used	Not used	
	R952, R953	RD1/4PU222J	Not used	Not used	
	R954, R956	RD1/4PU102J	Not used	Not used	
	R955	RD1/4PU104J	Not used	Not used	
	R957	RD1/4PU333J	Not used	Not used	
	X951 CRYSTAL RESONATOR (4.332 MHz)	ASS7004	Not used	Not used	
	S917	ASG1034	Not used	Not used	

NOTE * : Refer to AF.

■ SCHEMATIC DIAGRAM

AF FL/U-COM ASSY
(AWZ8846 : VSX-536S)
(AWZ8632 : VSX-436)

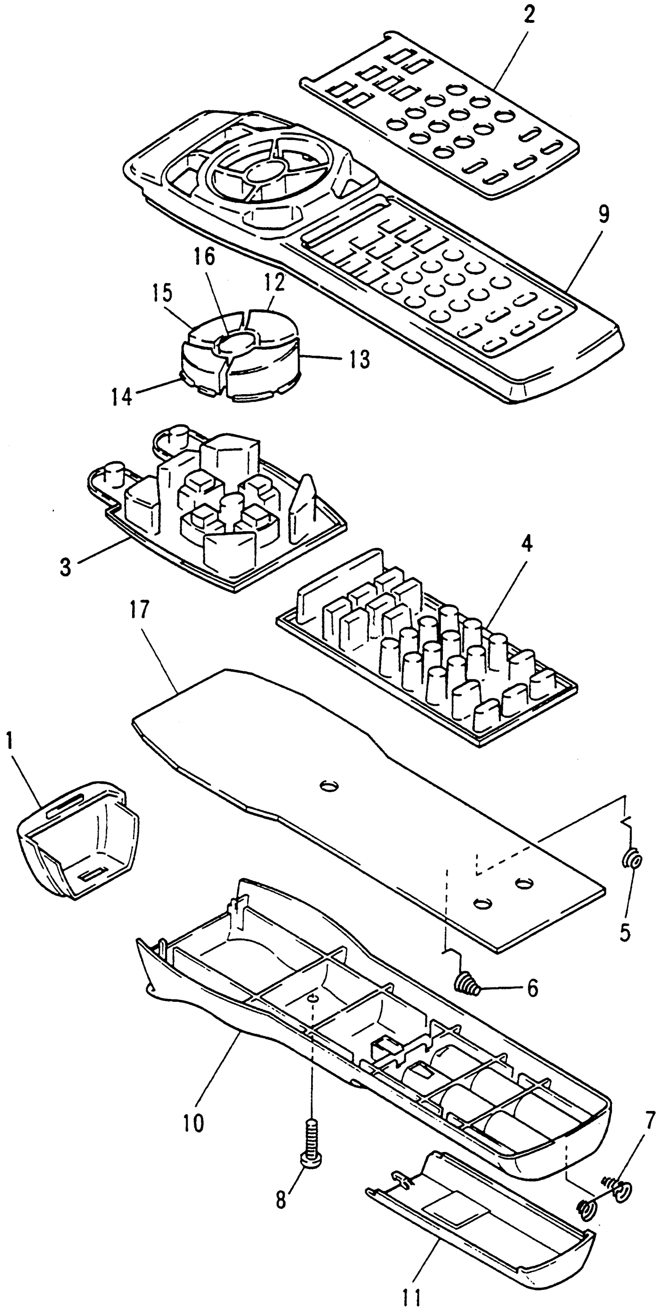

D918, D920-D922 : 1SS252
D918
K09
VSX-436 only
C937
100p
R911
47K
D921
C938
100p
R912
47K
C939
D922
100p
R913
47K
VSX-536S only

2. REMOTE CONTROL UNIT [CU-VSX115 (AXD7124)] (for VSX-536S)

2.1 EXPLODED VIEWS AND PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*



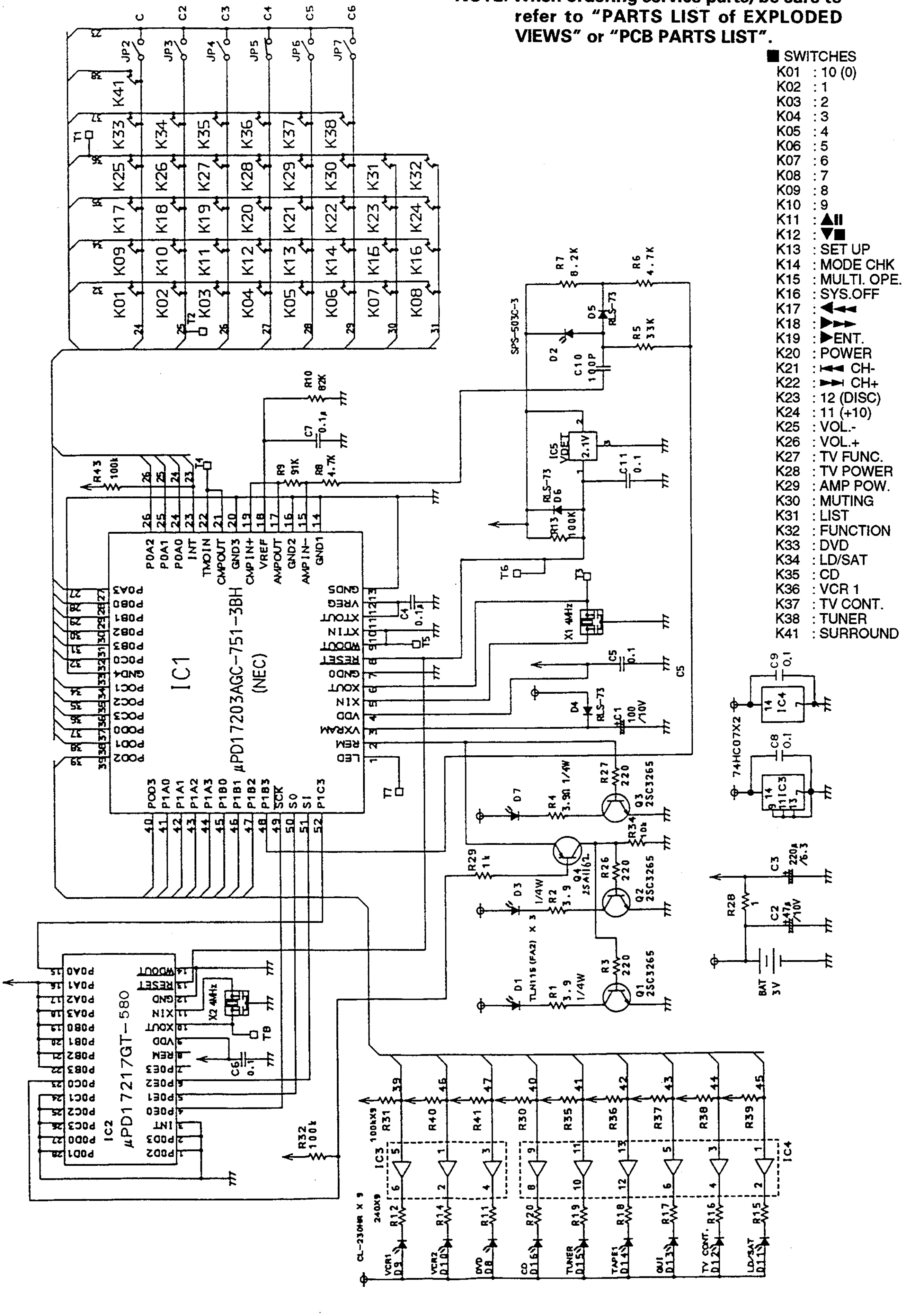
■ Parts List

Mark	No.	Description	Part No.
	1	Filter	AZA7152
	2	Name plate	AZA7242
	3	Rubber sheet (A)	AZA7236
	4	Rubber sheet (B)	AZA7243
	5	Spring (+)	AZB7049
	6	Spring (–)	AZB7050
	7	Spring	AZB7051
	8	Screw	AZB7052
	9	Remo-con case (A)	AZN7672
	10	Remo-con case (B)	AZN7326
	11	Battery cover	AZN7327
	12	Main key (FF)	AZN7666
	13	Main key (STOP)	AZN7329
	14	Main key (REV)	AZN7665
	15	Main key (PAUSE)	AZN7331
	16	Main key (PLAY)	AZN7664
NSP	17	PCB	AZW7243

2.2 SCHEMATIC AND PCB DIAGRAM

■ SCHEMATIC DIAGRAM

NOTE: When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".



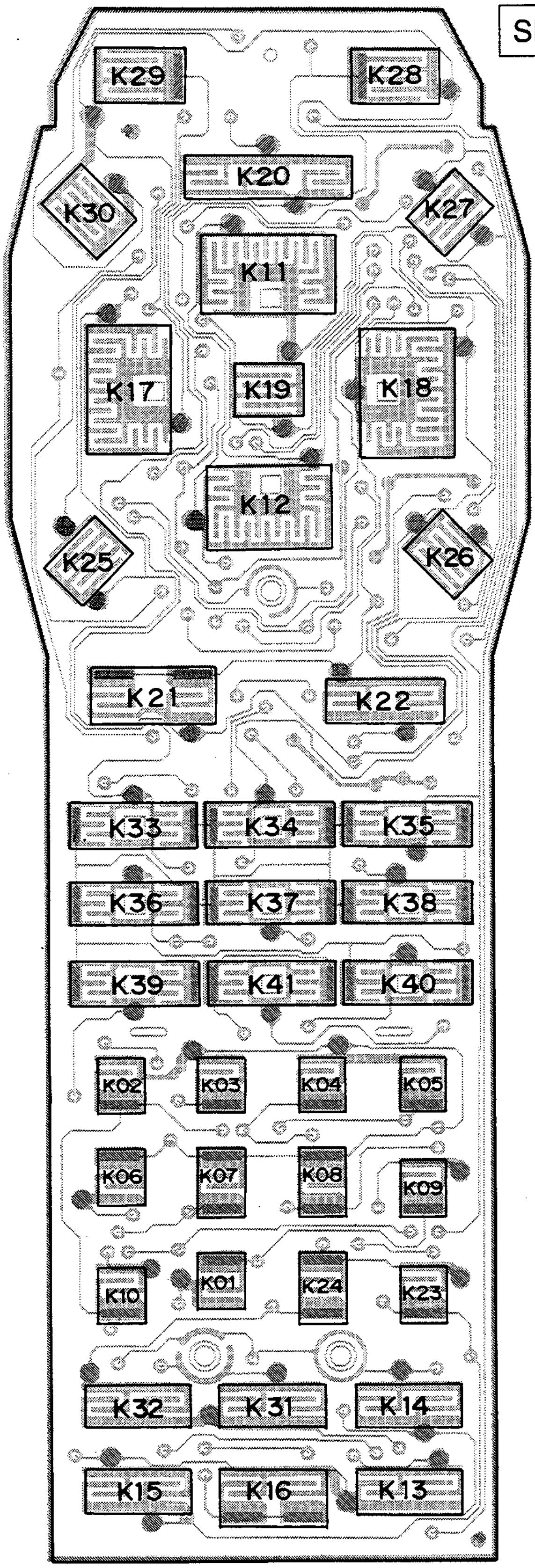
C
C2
C3
C4
C5
C6
JP2
JP3
JP4
JP5
JP6
JP7
K41
K33
K34
K35
K36
K37
K38
K25
K26
K27
K28
K29
K30
K31
K32
K17
K18
K19
K20
K21
K22
K23
K24
K09
K10
K11
K12
K13
K14
K16
K16
K01
K02
K03
K04
K05
K06
K07
K08
T1
T2
T3
T4
T5
T6
T7
T8
R7 8.2K
R6 4.7K
SPS-503C-3
D2
D5 RLS-73
R5 33K
C10 100P
R10 82K
C7 0.1μ
IC5 VDET 2.1V
C11 0.1
R43 100k
R9 91K
R8 4.7K
RLS-73 D6
R13 100K
X1 4MHz
C4 0.1μ
C5 0.1
D4 RLS-73
C1 100/10V
IC1
μPD17203AGC-751-3BH
(NEC)
P0A2
P0A1
P0A0
INT
TMOIN
CMPOUT
GND3
CMPIN+
VREF
AMPOUT
GND2
AMPIN−
GND1
P0A3
P0B0
P0B1
P0B2
P0B3
P0C0
GND4
P0C1
P0C2
P0C3
P0D0
P0D1
P0D2
GND5
VREG
XTOUT
XTIN
WDOUT
RESET
GND0
XOUT
XIN
VDD
VXRAM
REM
LED
P0D3
P1A0
P1A1
P1A2
P1A3
P1B0
P1B1
P1B2
P1B3
SCK
S0
S1
P1C3
R27 220
Q3 2SC3265
D7
R4 3.9Ω 1/4W
R34 10k
Q4 2SA1162
R29 1k
R26 220
Q2 2SC3265
D3
R2 3.9 1/4W
R3 220
D1 TLN115(FA2) X 3
R1 3.9 1/4W
Q1 2SC3265
C9 0.1
IC4
74HC07X2
C8 0.1
IC3
C3 220μ/6.3
R28 1
C2 47μ/10V
BAT 3V
IC2
μPD17217GT-580
X2 4MHz
C6 0.1
R32 100k
R31 R40 R41 R30 R35 R36 R37 R38 R39
100kX9
39 46 47 40 41 42 43 44 45
R12 R14 R11 R20 R19 R18 R17 R16 R15
240X9
CL-230HR X 9
VCR1 D9
VCR2 D10
DVD D8
CD D16
TUNER D15
TAPE1 D14
6CH D13
TV CONT. D12
LD/SAT D11

■ SWITCHES

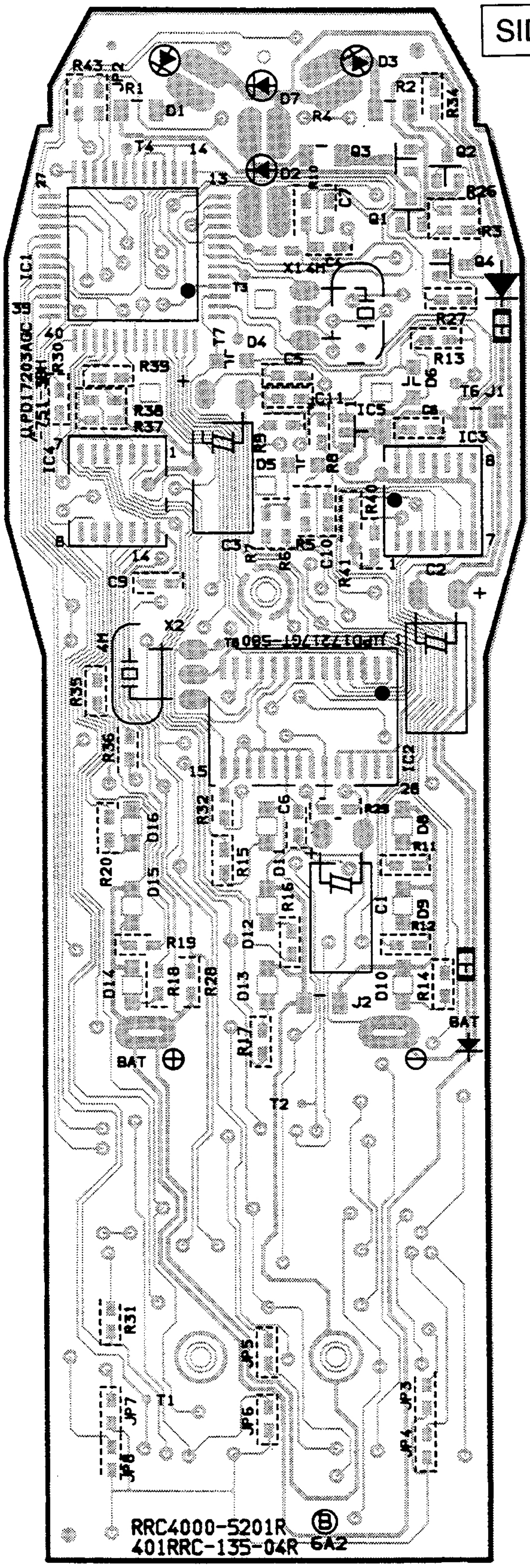
K01 : 10 (0)
K02 : 1
K03 : 2
K04 : 3
K05 : 4
K06 : 5
K07 : 6
K08 : 7
K09 : 8
K10 : 9
K11 : ▲II
K12 : ▼■
K13 : SET UP
K14 : MODE CHK
K15 : MULTI. OPE.
K16 : SYS.OFF
K17 : ◀◀◀
K18 : ▶▶▶
K19 : ▶ENT.
K20 : POWER
K21 : ⏮ CH-
K22 : ⏭ CH+
K23 : 12 (DISC)
K24 : 11 (+10)
K25 : VOL.-
K26 : VOL.+
K27 : TV FUNC.
K28 : TV POWER
K29 : AMP POW.
K30 : MUTING
K31 : LIST
K32 : FUNCTION
K33 : DVD
K34 : LD/SAT
K35 : CD
K36 : VCR 1
K37 : TV CONT.
K38 : TUNER
K41 : SURROUND

■ PCB DIAGRAM

SIDE A


K29
K28
K20
K30
K27
K11
K17
K19
K18
K12
K25
K26
K21
K22
K33
K34
K35
K36
K37
K38
K39
K41
K40
K02
K03
K04
K05
K06
K07
K08
K09
K10
K01
K24
K23
K32
K31
K14
K15
K16
K13

SIDE B


R43
R1
D1
D7
D3
R2
R34
R4
T4
14
13
Q3
Q2
D2
R10
C7
B26
Q1
R3
X1 4M
C4
Q4
IC1
37
39
40
T3
D4
R27
R13
μPD17203AGC-751-3BH
R30
R39
C5
C11
IC5
C8
D6
T6
J1
R38
R37
IC4
7
1
R9
D5
R8
IC3
8
R40
B
C3
R7
R6
R5
C10
R41
1
7
C2
14
C9
X2
4M
μPD17217GT-580
R35
R36
15
IC2
28
R32
C6
R29
D16
R20
D15
R15
D11
R16
C1
D8
R11
D9
R12
D12
R19
D14
R18
R28
D13
D10
R14
J2
BAT
R17
BAT
T2
R31
JP5
JP7
T1
JP6
JP3
JP4
JP8
RRC4000-5201R
401RRC-135-04R
Ⓑ
6A2

2.3 PCB PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47K ohm (tolerance is shown by J=5%, and K=10%).

560 → 56 × 10^1 → 561 .... RD1/4PU $\boxed{5}\boxed{6}\boxed{1}$ J
47 k → 47 × 10^3 → 473 .... RD1/4PU $\boxed{4}\boxed{7}\boxed{3}$ J
0.5 → R50 .... RN2H $\boxed{R}\boxed{5}\boxed{0}$ K
1 → 1R0 .... RS1P $\boxed{1}\boxed{R}\boxed{0}$ K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62 k → 562 × 10^1 → 5621 .... RN1/4PC $\boxed{5}\boxed{6}\boxed{2}\boxed{1}$ F

Mark	No.	Description	Part No.
SEMICONDUCTORS			
	IC1		AZC7275
	IC2		AZC7274
	IC3, IC4		TC74HC07AF
	IC5		RH5VA21AA
	Q4-Q6		2SA1037K
	Q1-Q3		2SC3265
	D1, D3, D7		SE1003-C
	D2		SPS-503C-3
	D8-D20	LED	CL-230HR-CD
	D4 - D6		RLS-73
CAPACITORS			
	C2		CEAS470M10
	C4-C7, C11		CKSQYB104K25
	C3		CEAS221M6R3
	C1		CEAS101M6R3
	C8 -C10		CCSQCH101J50
RESISTORS			
	R2001, R2002		RS1/8S0R0J
	R1, R2, R4		RS1/8S3R9J
	Other Resistors		RS1/10S□□□J
OTHERS			
	X1, X2	RESONATOR (4MHz)	KBR-4.0M

Service Manual

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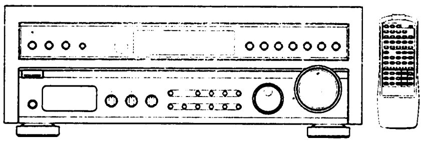

ORDER NO.
RRV1769

AUDIO/VIDEO STEREO RECEIVER

VSX-806RDS

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	The voltage can be converted by the following method.
	VSX-806RDS		
HYXJI	O	AC220 – 230V	AC240V, ∗
HYXJIGR	O	AC220 – 230V	AC240V, ∗
HVXJI	O	AC230V	AC240V, ∗

∗ : Alter the wiring of the Power-supply block at the primary winding of Power-transformer referring to the "Line Voltage Selection" described in Service Manual.

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1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MOD+LE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les piÅces de remplacement doivent avoir la mÊme dÅsignation.

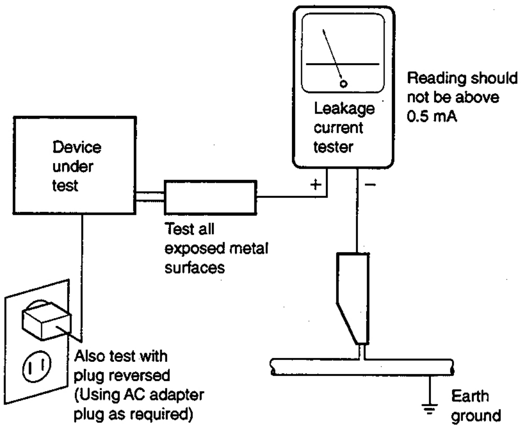
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.


Reading should not be above 0.5 mA
Leakage current tester
Device under test
+
−
Test all exposed metal surfaces
Also test with plug reversed (Using AC adapter plug as required)
Earth ground

AC Leakage Test

ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a ⚠ on the schematics and on the parts list in this Service Manual.

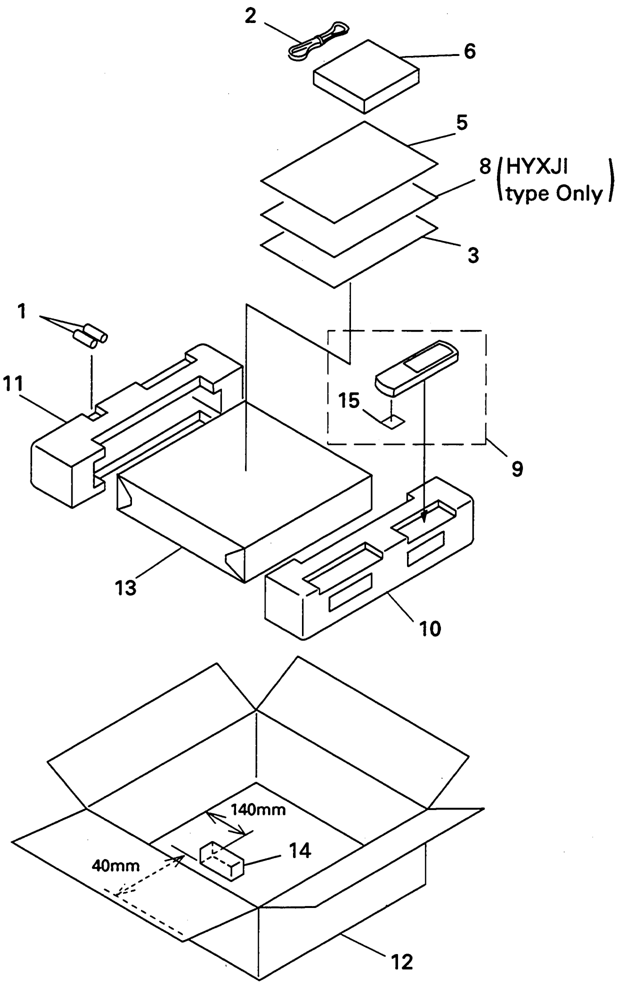
The use of a substitute replacement component which dose not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

2. EXPLODED VIEWS AND PARTS LIST

NOTES: • *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
• *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
• *Screws adjacent to ▼ mark on product are used for disassembly.*

2.1 PACKING



(1) PARTS LIST

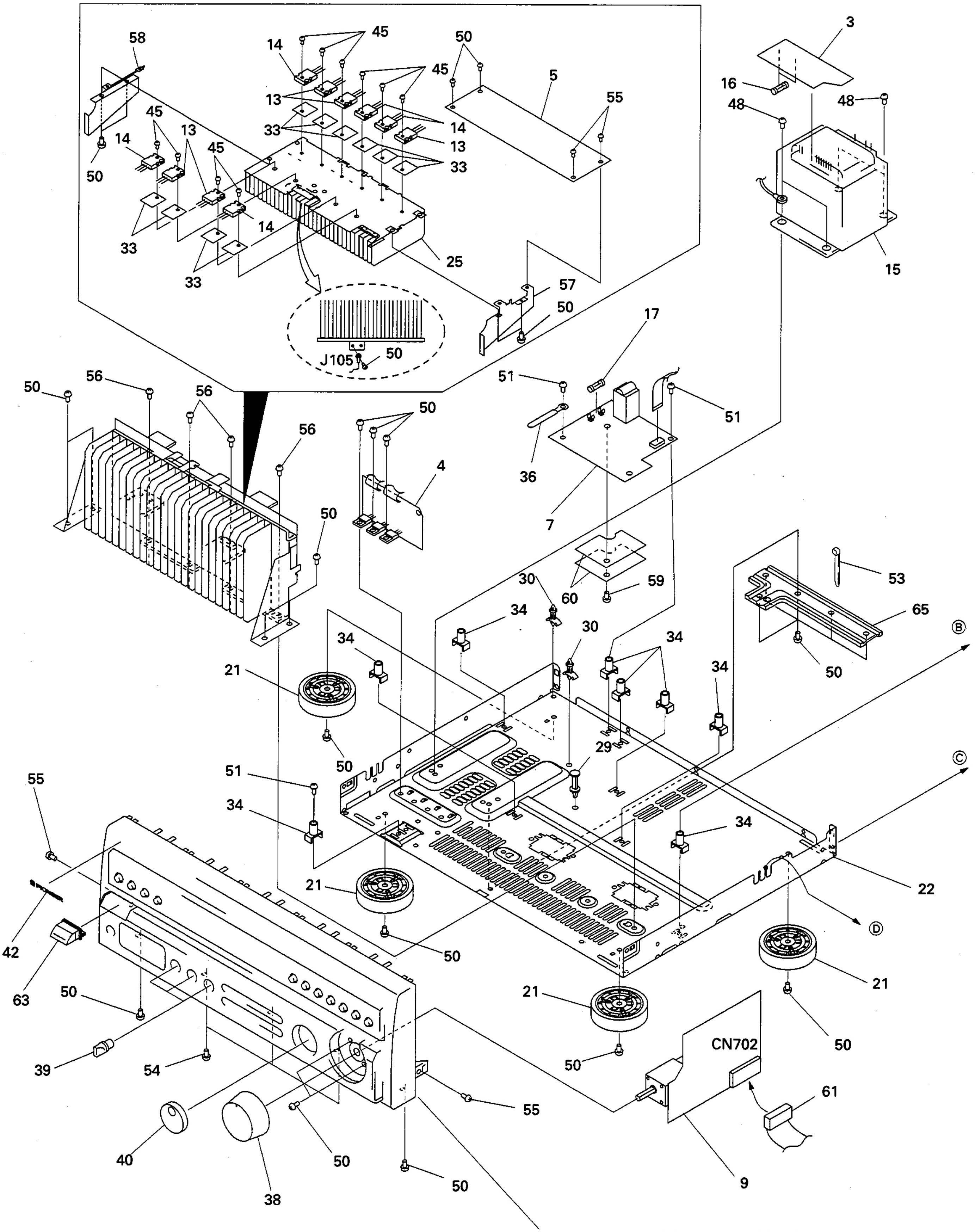
Mark	No.	Description	Parts No.
NSP	1	Dry Cell Battery (R6P,AA)	VEM – 013
	2	FM Antenna	ADH7005
	3	Operating Instructions	See Contrast table (2)
	4	....	
NSP	5	Warranty Card	ARY7009
	6	AM Loop Antenna	ATB7009
	7	....	
	8	Operating Instructions	See Contrast table (2)
	9	Remote Control Unit (CU – VSX118)	AXD7129
	10	Front Pad	AHA7137
	11	Rear Pad	AHA7140
	12	Packing Case	AHD7405
	13	Packing Sheet	AHG7010
	14	Sub Pad B	AHB7027
	15	Battery Cover	AZA7219

(2) CONTRAST TABLE

HYXJI, HYXJIGR and HVXJI types have the same construction except for the following :

Mark	No.	Srmbol & Description	Part No.			Remarks
			HVXJI	HYXJI	HYXJIGR	
	3	Operating Instructions (English)	ARB7100	Not used	Not used	
	3	Operating Instructions (English/French/German/Italian)	Not used	ARE7100	Not used	
	3	Operating Instructions (German)	Not used	Not used	ARC7146	
	8	Operating Instructions (Dutch/Swedish/Spanish/Portuguese)	Not used	ARC7163	Not used	

2.2 EXTERIOR


58
14
45
45
50
5
55
3
16
48
48
13
33
14
13
33
45
13
45
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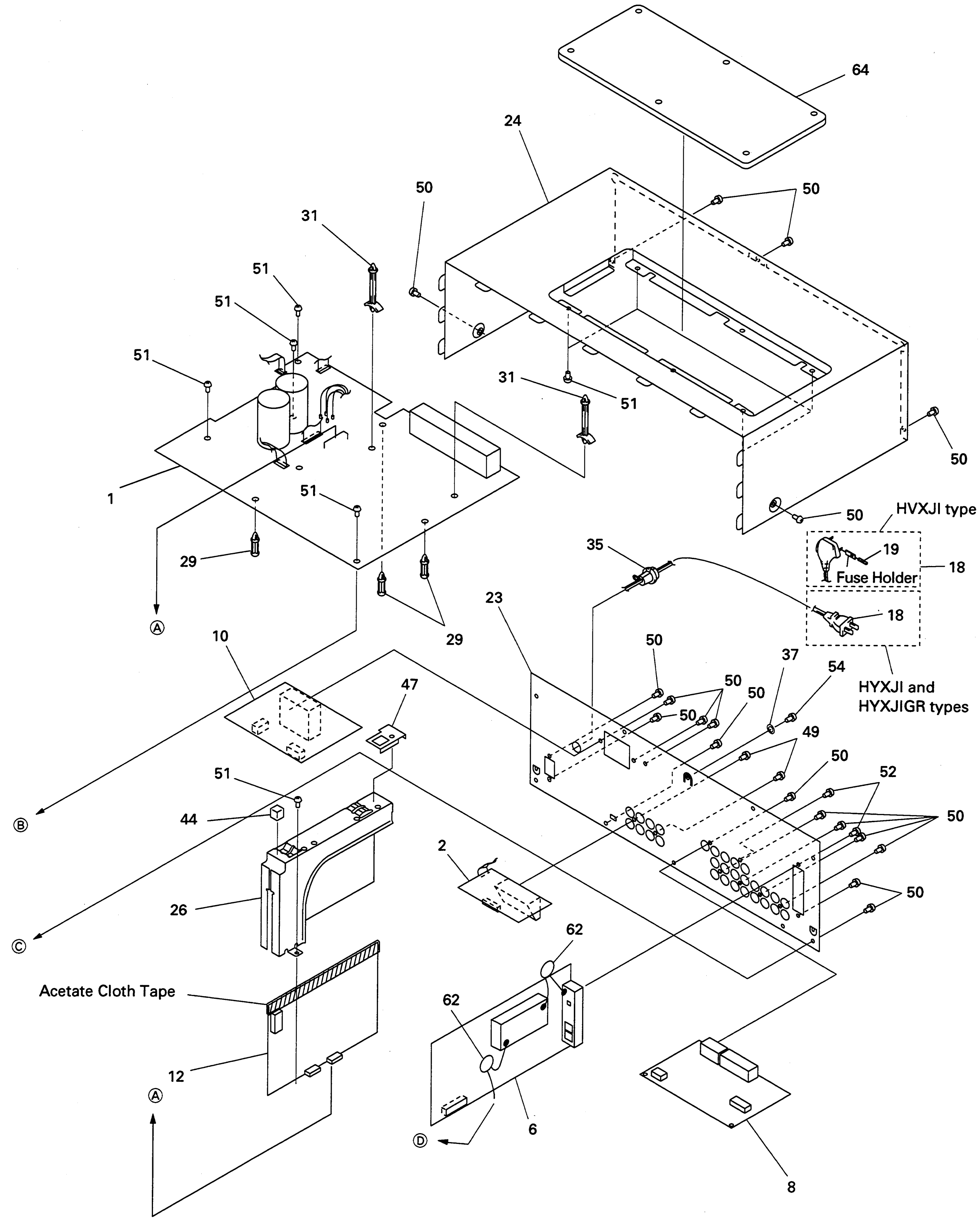
50
33
14
25
33
57
50
15
J105
50
17
50
56
56
51
51
56
50
4
36
7
50
53
30
60
59
34
30
34
65
Ⓑ
21
34
34
50
29
50
Ⓒ
55
51
34
34
22
21
Ⓓ
42
50
63
21
50
21
39
54
CN702
50
61
40
50
55
38
50
9

Refer to "2.3 FRONT PANEL SECTION"


HVXJI type
Fuse Holder
Ⓐ
HYXJI and HYXJIGR types
Ⓑ
Ⓒ
Acetate Cloth Tape
Ⓐ
Ⓓ

(1) PARTS LIST

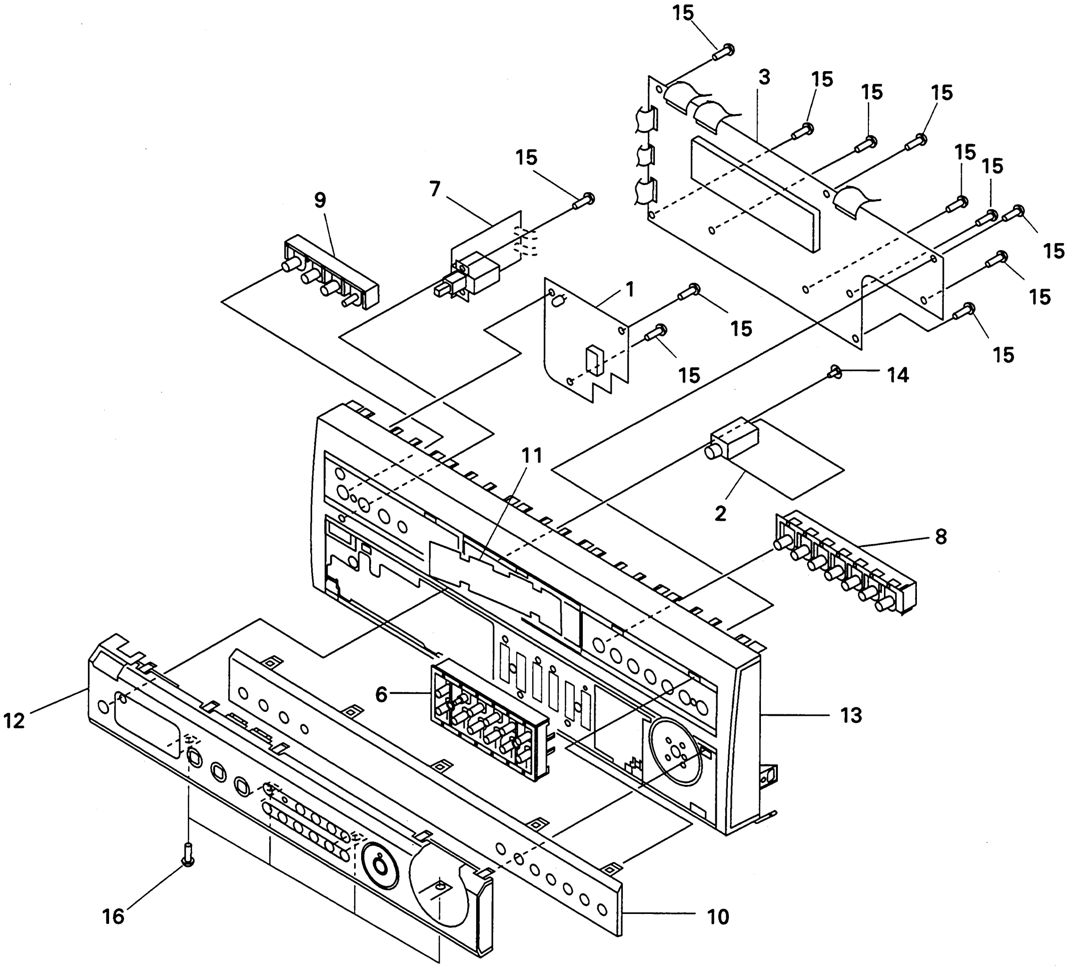
Mark	No.	Description	Parts No.
	1	INPUT ASSY	AWZ8623
NSP	2	FRONT SP ASSY	AWZ8631
	3	TRANS ASSY	AWZ8624
	4	REG.1 ASSY	AWZ8843
	5	R/C AMP ASSY	AWZ8628
	6	FM/AM TUNER MOJULE	AXQ7041
NSP	7	PRIMARY ASSY	AWZ8630
	8	VIDEO/SR ASSY	AWZ8845
	9	VOLUME ASSY	AWZ8844
	10	R/C SPEAKER ASSY	AWZ8629
	11	....	
	12	PRO LOGIC ASSY	AWZ8510
⚠	13	Transistor (Q3, Q4, Q7, Q8, Q10)	2SA1943
⚠	14	Transistor (Q1, Q2, Q5, Q6, Q9)	2SC5200
⚠	15	Power Transformer	ATS7171
⚠	16	Fuse (FU3, FU4 : T1.25A)	AEK1055
⚠	17	Fuse (FU1 : T3.15A)	AEK1059
⚠	18	AC Power Cord	See Contrast table (2)
⚠	19	Fuse (T5A)	See Contrast table (2)
	20	....	
	21	Insulator	PNW1912
	22	Chassis	ANA7059
	23	Rear Panel	See Contrast table (2)
	24	Bonnet Case	ANE7154
	25	Radiator	ANH7053
	26	Shield Case	ANK7032
	27	....	
	28	....	
	29	PCB Support	AEC1581
	30	PCB Support	AEC7006
	31	PCB Support	AEC7056
	32	....	
	33	Sheet	AEE7010
	34	PCB Mold	AMR2533
	35	Cord Stopper	CM-22B
NSP	36	Clamper	RNE1277
	37	Washer	VEC1254
	38	Round Knob L	AAB7082
	39	Round Knob S	AAB7106
	40	Jog Knob	AAB7048
	41	....	
	42	Name Plate	PAM1608
	43	....	
NSP	44	Cushion	AEB7081
	45	Screw	ABA1037
	46	....	
	47	ISO Plate	ANG7141
	48	Screw	ABA7019
	49	Screw	ABA1007
	50	Screw	BBZ30P080FZK
	51	Screw	BBZ30P200FMC
	52	Screw	ABA – 115
NSP	53	Binder	ZCA – BK1
	54	Screw	ABA7008
	55	Screw	ABA – 298
	56	Screw	ABA1147
	57	Radiator Holder L	ANG7125
	58	Radiator Holder R	ANG7126
	59	Push Rivet	AEC7025
	60	PVC Sheet	AEC7087
	61	Connector Assy	PF06PP0S10
	62	Capacitor (C1, C2)	CCDSL271J50
	63	Power Button	AAD7373
	64	Top Cover	AME1086
	65	Bottom Holder	ANG7145

(2) CONTRAST TABLE

HYXJI, HYXJIGR and HVXJI types have the same construction except for the following :

Mark	No.	Srmbol & Description	Part No.			Remarks
			HVXJI	HYXJI	HYXJIGR	
⚠	18	AC Power Cord	PDG1055	ADG7016	ADG7016	
⚠	19	Fuse (T5A)	PEK1003	Not used	Not used	
	23	Rear Panel	ANC7538	ANC7537	ANC7537	

2.3 FRONT PANEL SECTION


15
3
15
15
15
15
15
15
9
7
15
1
15
15
15
15
14
11
2
8
6
13
12
16
10

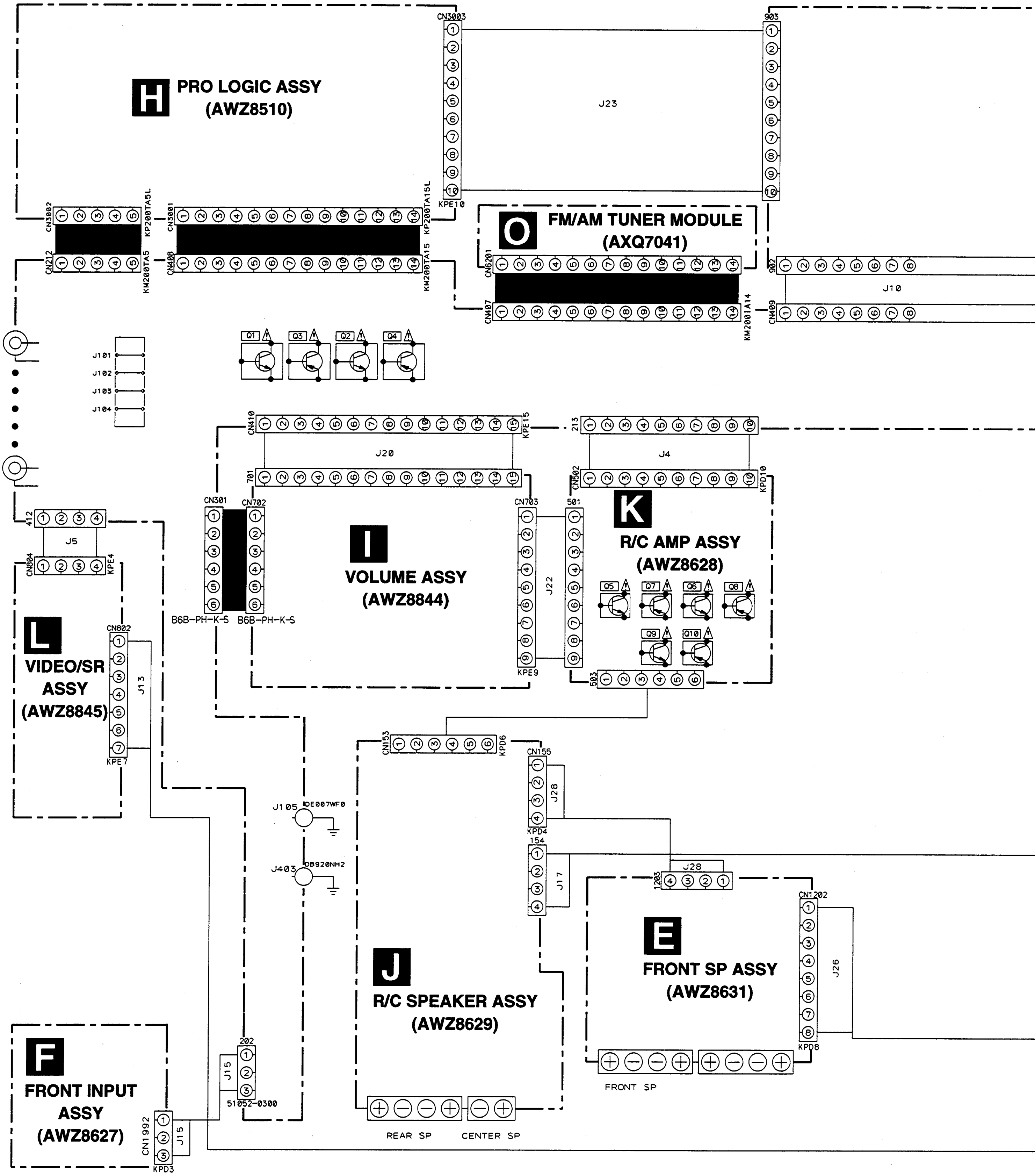
• PARTS LIST

Mark	No.	Description	Parts No.
NSP	1	POWER SWITCH ASSY	AWZ8626
NSP	2	FRONT INPUT ASSY	AWZ8627
	3	FL U-COM ASSY	AWZ8625
	4	....	
	5	....	
	6	Tuner Button	AAD7326
NSP	7	MECHA SW ASSY	AWZ8503
	8	Func. Button	AAD7328
	9	SFC Button	AAD7329
	10	FL Panel	AAK7293
	11	FL Filter	AAK7297
	12	Sub Panel	AAP7027
	13	Front Panel	AMB7422
	14	Screw	ABA7009
	15	Screw	BPZ30P080FMC
	16	Screw	BBZ30P080FZK

3. SCHEMATIC DIAGRAM

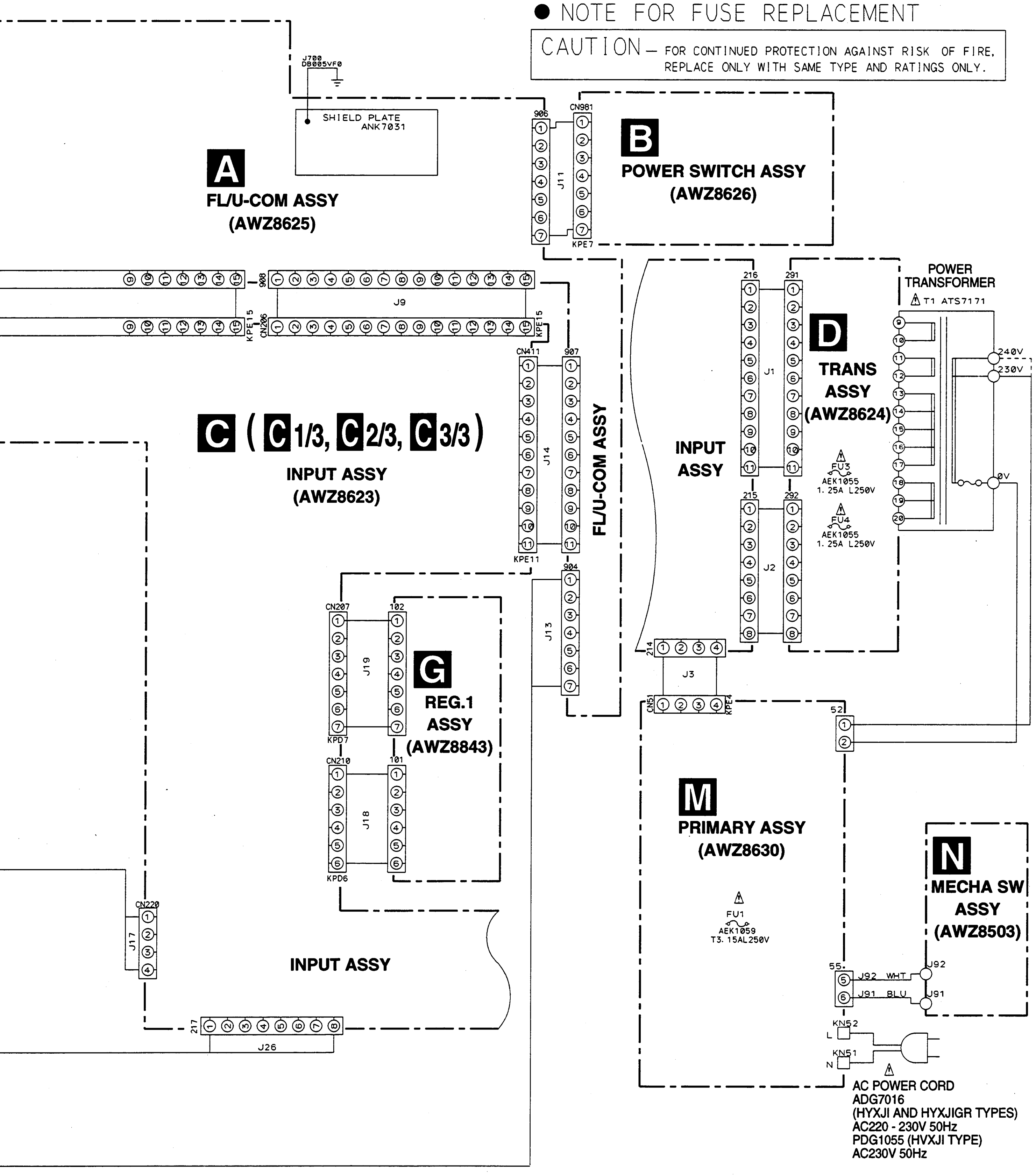
Note : When ordering service parts, be sure to refer to "EXPLODED VIEWS and PARTS LIST" or "PCB PARTS LIST"

3.1 OVERALL CONNECTION DIAGRAM

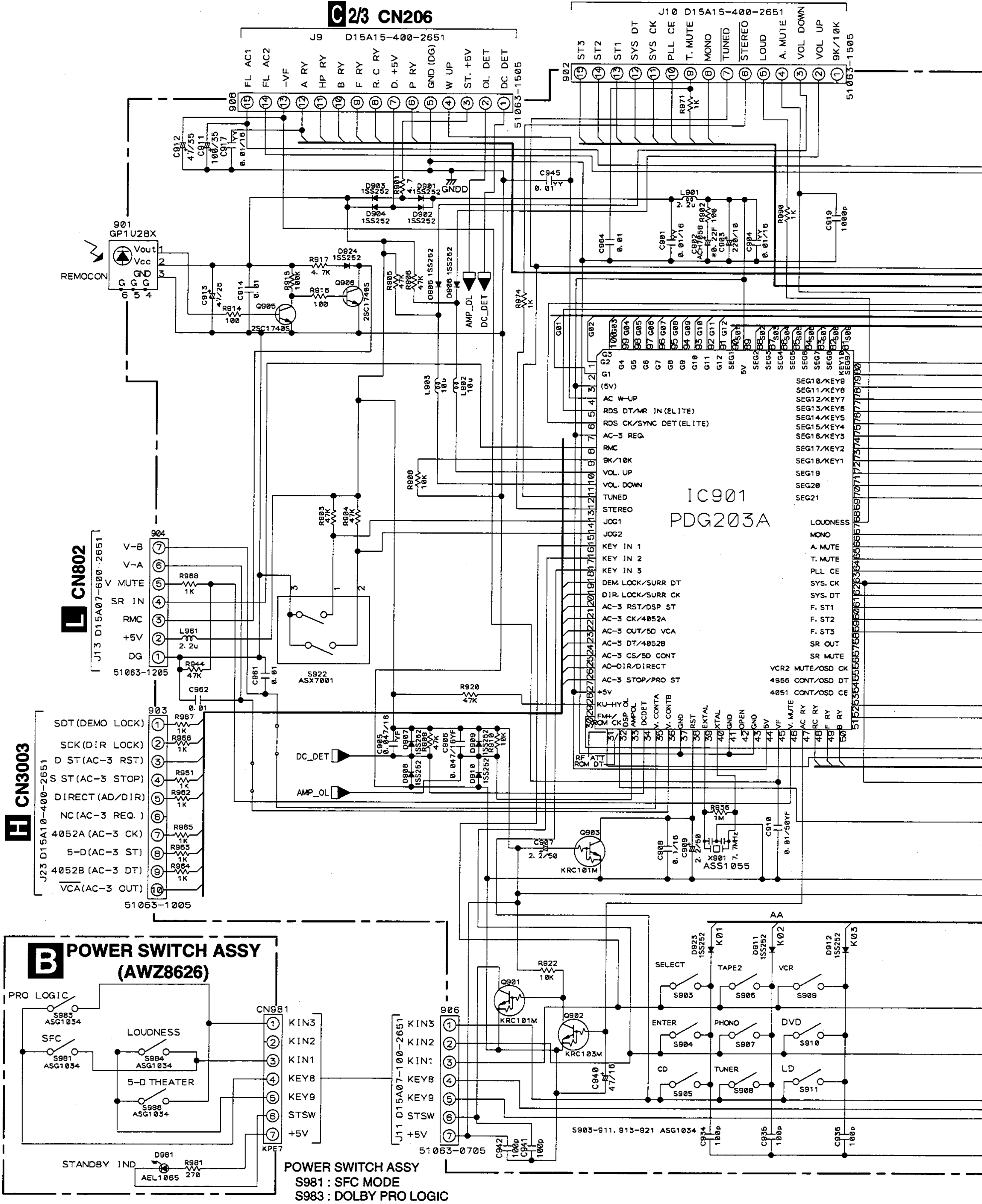

CN3003
903
H
PRO LOGIC ASSY
(AWZ8510)
J23
KPE10
CN3002
KP200TA5L
CN3001
KP200TA15L
CN212
KM200TA5
CN408
KM200TA15
O
FM/AM TUNER MODULE
(AXQ7041)
CN6201
CN407
KM200IA14
902
J10
CN409
Q1
Q3
Q2
Q4
J101
J102
J103
J104
CN410
KPE15
213
J20
J4
701
CN502
KPD10
CN301
CN702
CN703
501
K
R/C AMP ASSY
(AWZ8628)
Q5
Q7
Q6
Q8
Q9
Q10
I
VOLUME ASSY
(AWZ8844)
B6B-PH-K-S
B6B-PH-K-S
J22
KPE9
503
412
J5
CN804
KPE4
L
VIDEO/SR
ASSY
(AWZ8845)
CN802
J13
KPE7
CN153
KPD6
CN155
J28
KPD4
154
J17
J105
DE007WF0
J403
DB920NH2
1203
J28
CN1202
E
FRONT SP ASSY
(AWZ8631)
J26
KPD8
FRONT SP
J
R/C SPEAKER ASSY
(AWZ8629)
REAR SP
CENTER SP
F
FRONT INPUT
ASSY
(AWZ8627)
202
J15
51052-0300
CN1992
J15
KPD3

● NOTE FOR FUSE REPLACEMENT

CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

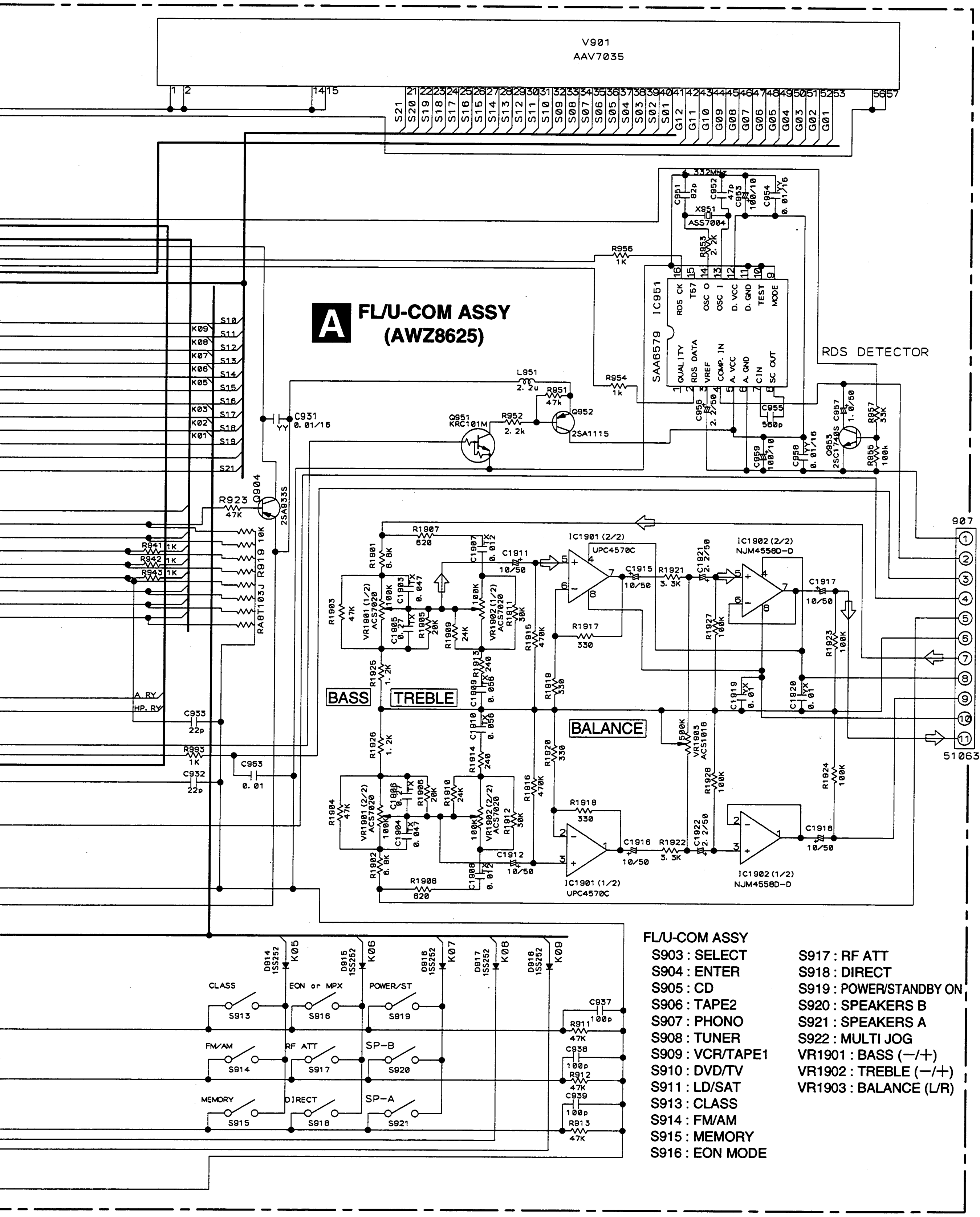

J700
DB005VF0
SHIELD PLATE
ANK7031
A
FL/U-COM ASSY
(AWZ8625)
906
CN981
J11
KPE7
B
POWER SWITCH ASSY
(AWZ8626)
908
J9
KPE15
CN206
C (C1/3, C2/3, C3/3)
INPUT ASSY
(AWZ8623)
CN411
907
J14
KPE11
FL/U-COM ASSY
904
J13
CN207
102
J19
KPD7
G
REG.1
ASSY
(AWZ8843)
CN210
101
J18
KPD6
CN220
J17
INPUT ASSY
217
J26
INPUT
ASSY
216
291
J1
215
292
J2
214
J3
CN51
KPE4
D
TRANS
ASSY
(AWZ8624)
FU3
AEK1055
1.25A L250V
FU4
AEK1055
1.25A L250V
POWER
TRANSFORMER
T1 ATS7171
240V
230V
0V
52
M
PRIMARY ASSY
(AWZ8630)
FU1
AEK1059
T3.15AL250V
N
MECHA SW
ASSY
(AWZ8503)
55
J92 WHT
J91 BLU
J92
J91
KN52
L
KN51
N
AC POWER CORD
ADG7016
(HYXJI AND HYXJIGR TYPES)
AC220 - 230V 50Hz
PDG1055 (HVXJI TYPE)
AC230V 50Hz

3.2 FL/U-COM ASSY AND POWER SWITCH ASSY


C 1/3 CN409
J10 D15A15-400-2651
ST3
ST2
ST1
SYS DT
SYS CK
PLL CE
T. MUTE
MONO
TUNED
STEREO
LOUD
A. MUTE
VOL DOWN
VOL UP
9K/10K
51063-1505
902
C 2/3 CN206
J9 D15A15-400-2651
FL AC1
FL AC2
-VF
A RY
HP RY
B RY
F RY
R. C RY
D. +5V
P RY
GND (DG)
W UP
ST. +5V
OL DET
DC DET
51063-1505
908
C912 47/35
C911 100/35
C917 YY 0.01/16
D903 1SS252
R901 4.7
D901 1SS252
GNDD
D904 1SS252
D902 1SS252
C945 YY 0.01
L901 2.2u
R971 1K
R990 1K
C919 1000p
C904 0.01
C901 YY 0.01/16
C902 ACH7058 *0.22F
R902 100
C903 220/10
C984 YY 0.01/16
901
GP1U28X
Vout
Vcc
GND
G G G
6 5 4
REMOCON
R917 4.7K
D924 1SS252
C913 47/26
C914 0.01
R915 100K
R916 100
Q906 2SC1740S
R914 100
Q905 2SC1740S
R905 47K
R906 47K
D905 1SS252
D906 1SS252
AMP_OL
DC_DET
R974 1K
L903 10u
L902 10u
R908 10K
R903 47K
R904 47K
S922 ASX7001
R920 47K
IC901
PDG203A
G1
G2
G4
G5
G6
G7
G8
G9
G10
G11
G12
SEG1
5V
(5V)
AC W-UP
RDS DT/MR IN(ELITE)
RDS CK/SYNC DET(ELITE)
AC-3 REQ
RMC
9K/10K
VOL. UP
VOL. DOWN
TUNED
STEREO
JOG1
JOG2
KEY IN 1
KEY IN 2
KEY IN 3
DEM. LOCK/SURR DT
DIR. LOCK/SURR CK
AC-3 RST/DSP ST
AC-3 CK/4052A
AC-3 OUT/5D VCA
AC-3 DT/4052B
AC-3 CS/5D CONT
AD-DIR/DIRECT
AC-3 STOP/PRO ST
+5V
KU-HYO
FM+/ROM CK
DSP OL
AMPOL
DCDET
V. CONTA
V. CONTB
GND
RST
EXTAL
XTAL
GND
OPEN
GND
5V
VF
V. MUTE
AC RY
RC RY
F RY
B RY
RF ATT
ROM DT
SEG10/KEY9
SEG11/KEY8
SEG12/KEY7
SEG13/KEY6
SEG14/KEY5
SEG15/KEY4
SEG16/KEY3
SEG17/KEY2
SEG18/KEY1
SEG19
SEG20
SEG21
LOUDNESS
MONO
A. MUTE
T. MUTE
PLL CE
SYS. CK
SYS. DT
F. ST1
F. ST2
F. ST3
SR OUT
SR MUTE
VCR2 MUTE/OSD CK
4066 CONT/OSD DT
4051 CONT/OSD CE
L CN802
J13 D15A07-600-2651
904
V-B
V-A
V MUTE
SR IN
RMC
+5V
DG
51063-1205
R968 1K
L961 2.2u
R944 47K
C981 0.01
C962 0.01
H CN3003
J23 D15A10-400-2651
903
SDT(DEMO LOCK)
SCK(DIR LOCK)
D ST(AC-3 RST)
S ST(AC-3 STOP)
DIRECT(AD/DIR)
NC(AC-3 REQ.)
4052A(AC-3 CK)
5-D(AC-3 ST)
4052B(AC-3 DT)
VCA(AC-3 OUT)
51063-1005
R967 1K
R966 1K
R961 1K
R962 1K
R965 1K
R963 1K
R964 1K
DC_DET
AMP_OL
C905 0.047/16 YF
D907 1SS252
R909 47K
C906 0.047/16 YF
D909 1SS252
R910 10K
D908 1SS252
D910 1SS252
C907 2.2/50
Q903 KRC101M
R936 1M
C908 0.1/16
C909 2.2/50
X901 ASS1055 7.7MHz
C910 0.01/50VF
AA
D923 1SS252
K01
D911 1SS252
K02
D912 1SS252
K03
SELECT
S903
TAPE2
S906
VCR
S909
ENTER
S904
PHONO
S907
DVD
S910
CD
S905
TUNER
S908
LD
S911
S903-911, 913-921 ASG1034
C934 100p
C935 100p
C936 100p
R922 10K
Q901 KRC101M
Q902 KRC103M
C940 47/16
906
J11 D15A07-100-2651
KIN3
KIN2
KIN1
KEY8
KEY9
STSW
+5V
51063-0705
C942 100p
C941 100p
B POWER SWITCH ASSY
(AWZ8626)
PRO LOGIC
S983 ASG1034
SFC
S981 ASG1034
LOUDNESS
S984 ASG1034
5-D THEATER
S986 ASG1034
CN981
KIN3
KIN2
KIN1
KEY8
KEY9
STSW
+5V
KPE7
STANDBY IND
D981 AEL1065
R981 270

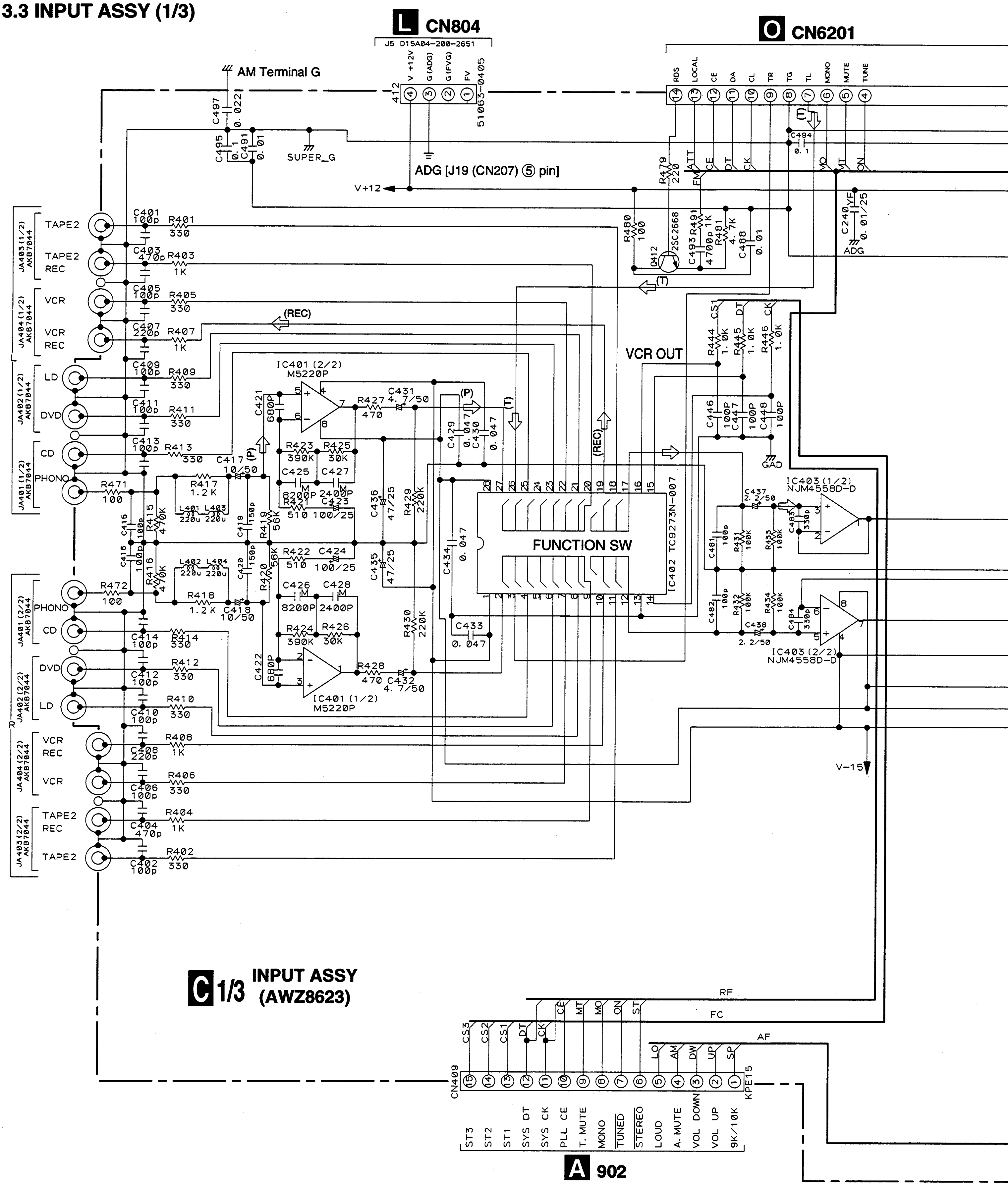
POWER SWITCH ASSY
S981 : SFC MODE
S983 : DOLBY PRO LOGIC
S984 : LOUDNESS
S986 : 5-D THEATER

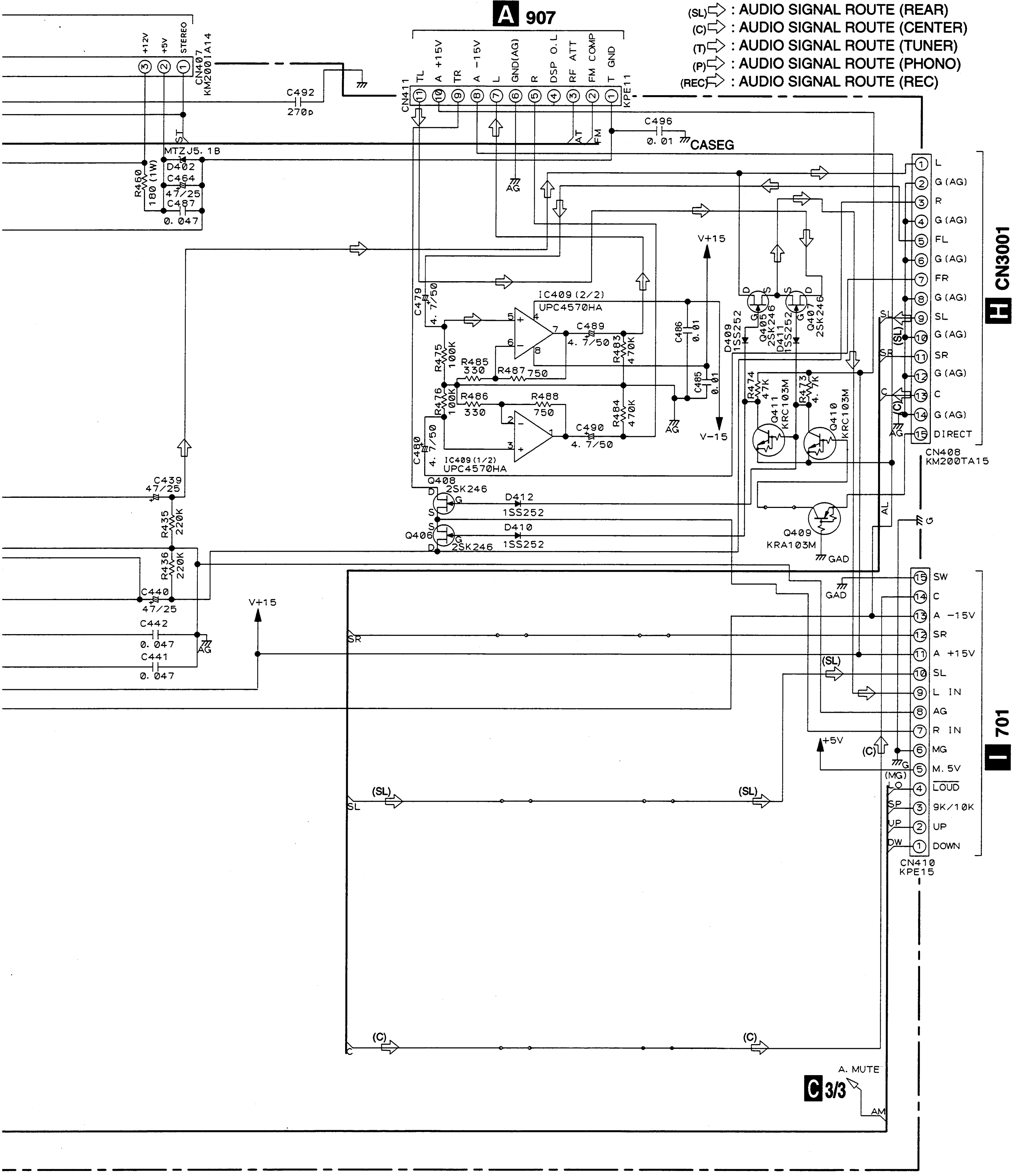
⇨ : AUDIO SIGNAL ROUTE


V901
AAV7035
A FL/U-COM ASSY
(AWZ8625)
RDS DETECTOR
IC951
SAA6579
X951
ASS7004
Q951
KRC101M
Q952
2SA1115
Q953
2SC1740S
Q904
2SA933S
R919
RA8T103J
BASS
TREBLE
BALANCE
IC1901 (2/2)
UPC4570C
IC1901 (1/2)
UPC4570C
IC1902 (2/2)
NJM4558D-D
IC1902 (1/2)
NJM4558D-D
VR1901 (1/2)
ACS7020
VR1902 (1/2)
ACS7020
VR1903
ACS1016
907
① T GND
② FM COMP
③ RF ATT
④ DSP O. L
⑤ R
⑥ GND(AG)
⑦ L
⑧ A -15V
⑨ TR
⑩ A +15V
⑪ TL
51063-1105
J14 D15A11-500-2651
C 1/3 CN411
CLASS
S913
EON or MPX
S916
POWER/ST
S919
FM/AM
S914
RF ATT
S917
SP-B
S920
MEMORY
S915
DIRECT
S918
SP-A
S921
D914 1SS252
D915 1SS252
D916 1SS252
D917 1SS252
D918 1SS252

FL/U-COM ASSY
S903 : SELECT
S904 : ENTER
S905 : CD
S906 : TAPE2
S907 : PHONO
S908 : TUNER
S909 : VCR/TAPE1
S910 : DVD/TV
S911 : LD/SAT
S913 : CLASS
S914 : FM/AM
S915 : MEMORY
S916 : EON MODE
S917 : RF ATT
S918 : DIRECT
S919 : POWER/STANDBY ON
S920 : SPEAKERS B
S921 : SPEAKERS A
S922 : MULTI JOG
VR1901 : BASS (−/+)
VR1902 : TREBLE (−/+)
VR1903 : BALANCE (L/R)

3.3 INPUT ASSY (1/3)

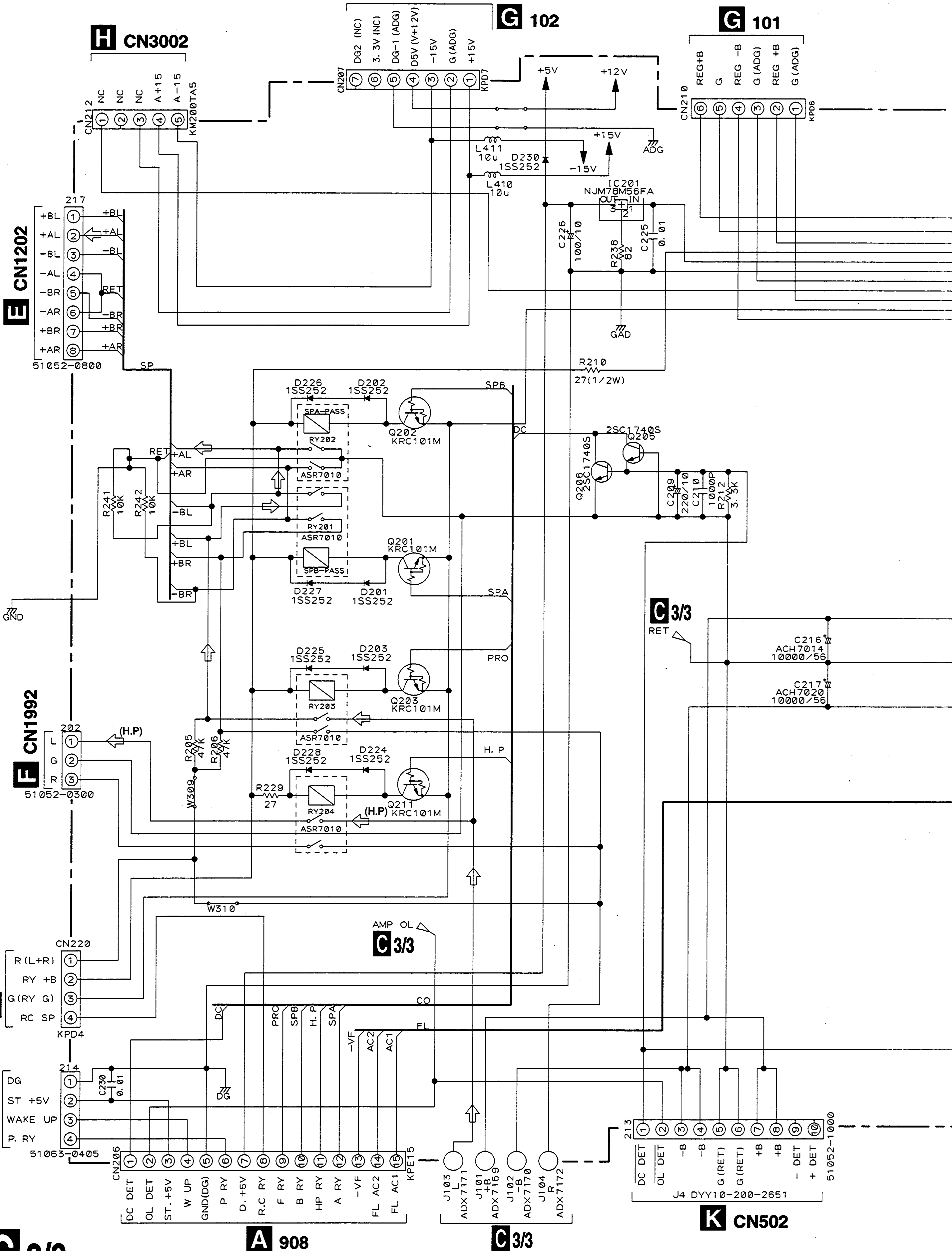

L CN804
J5 D15A04-200-2651
V +12V
G (ADG)
G (FVG)
FV
412
51063-0405
AM Terminal G
C497 0.022
C495 0.1
C491 0.01
SUPER_G
ADG [J19 (CN207) ⑤ pin]
V+12
O CN6201
RDS
LOCAL
CE
DA
CL
TR
TG
TL
MONO
MUTE
TUNE
C494 0.1
R479 220
ATT
FM
CE
DT
CK
VO
MT
ON
R480 100
Q412 2SC2668
C493 4700p
R491 1K
R481 4.7K
C488 0.01
C240 YF 0.01/25
ADG
(T)
JA403 (1/2) AKB7044
TAPE2
TAPE2 REC
JA404 (1/2) AKB7044
VCR
VCR REC
JA402 (1/2) AKB7044
LD
DVD
JA401 (1/2) AKB7044
CD
PHONO
C401 100p R401 330
C403 470p R403 1K
C405 100p R405 330
C407 220p R407 1K
C409 100p R409 330
C411 100p R411 330
C413 100p R413 330
R471 100
(REC)
IC401 (2/2) M5220P
C421 680P
C431 4.7/50
R427 470
(P)
(T)
C417 10/50
R417 1.2K
L401 L403 220u 220u
R423 390K R425 30K
C425 C427
R421 8200P 2400P C423
510 100/25
C415 100p
C416 100p
R415 470K
R416 470K
C419 150p
R419 56K
C420 150p
R420 56K
L402 L404 220u 220u
R422 510 C424 100/25
C426 C428 8200P 2400P
R424 390K R426 30K
R418 1.2K C418 10/50
C436 47/25
C435 47/25
R429 220K
R430 220K
C429 0.047
C430 0.047
C434 0.047
C433 0.047
C422 680P
IC401 (1/2) M5220P
R428 470 C432 4.7/50
FUNCTION SW
IC402 TC9273N-007
VCR OUT
R444 1.0K
R445 1.0K
R446 1.0K
CS
DT
CK
C446 100P
C447 100P
C448 100P
GAD
C437 2.2/50
IC403 (1/2) NJM4558D-D
C485 330p
C481 100p
R431 100K
R433 100K
C482 100p
R432 100K
R434 100K
C438 2.2/50
C484 330p
IC403 (2/2) NJM4558D-D
V-15
JA401 (2/2) AKB7044
PHONO
CD
R472 100
JA402 (2/2) AKB7044
DVD
LD
C414 100p R414 330
C412 100p R412 330
C410 100p R410 330
JA404 (2/2) AKB7044
VCR REC
VCR
C408 220p R408 1K
C406 100p R406 330
JA403 (2/2) AKB7044
TAPE2 REC
TAPE2
C404 470p R404 1K
C402 100p R402 330
C 1/3 INPUT ASSY (AWZ8623)
RF
FC
AF
CS3 CS2 CS1 DT CK CE MT MO ON ST LO AM DW UP SP
CN409
KPE15
ST3
ST2
ST1
SYS DT
SYS CK
PLL CE
T. MUTE
MONO
TUNED
STEREO
LOUD
A. MUTE
VOL DOWN
VOL UP
9K/10K
A 902



⇨ : AUDIO SIGNAL ROUTE
(SL)⇨ : AUDIO SIGNAL ROUTE (REAR)
(C)⇨ : AUDIO SIGNAL ROUTE (CENTER)
(T)⇨ : AUDIO SIGNAL ROUTE (TUNER)
(P)⇨ : AUDIO SIGNAL ROUTE (PHONO)
(REC)⇨ : AUDIO SIGNAL ROUTE (REC)

A 907
CN411
TL
A +15V
TR
A −15V
L
GND(AG)
R
DSP O.L
RF ATT
FM COMP
T GND
KPE11
+12V
+5V
STEREO
CN407
KM200TA14
C492
270p
C496
0.01
CASEG
ST
AT
FM
MTZJ5.1B
D402
C464
47/25
C487
0.047
R460
180 (1W)
AG
V+15
V−15
C479
4.7/50
C480
4.7/50
IC409 (2/2)
UPC4570HA
IC409 (1/2)
UPC4570HA
C489
4.7/50
C490
4.7/50
R475
100K
R476
100K
R485
330
R486
330
R487
750
R488
750
R483
470K
R484
470K
C486
0.01
C485
0.01
D409
1SS252
D411
1SS252
Q405
2SK246
Q407
2SK246
R474
47K
R473
4.7K
Q411
KRC103M
Q410
KRC103M
Q409
KRA103M
GAD
Q408
2SK246
Q406
2SK246
D412
1SS252
D410
1SS252
C439
47/25
R435
220K
R436
220K
C440
47/25
C442
0.047
C441
0.047
SR
SL
C
AL
G
CN3001
H
L
G (AG)
R
FL
FR
SL
SR
C
DIRECT
CN408
KM200TA15
I 701
SW
A −15V
A +15V
L IN
AG
R IN
MG
M. 5V
LOUD
9K/10K
UP
DOWN
(MG)
LO
SP
UP
DW
CN410
KPE15
+5V
(SL)
(C)
A. MUTE
C 3/3
AM

3.4 INPUT ASSY (2/3), TRANS ASSY AND FRONT SP ASSY


G 102
G 101
H CN3002
CN212
NC
NC
NC
A+15
A-15
KM200TA5
CN207
DG2 (NC)
3.3V (NC)
DG-1 (ADG)
D5V (V+12V)
-15V
G (ADG)
+15V
KPD7
+5V
+12V
CN210
REG+B
G
REG -B
G (ADG)
REG +B
G (ADG)
KPD6
+15V
ADG
L411
10u
D230
1SS252
-15V
L410
10u
IC201
NJM78M56FA
OUT
IN
C226
100/10
R238
82
C225
0.01
GAD
E CN1202
217
+BL
+AL
-BL
-AL
-BR
-AR
+BR
+AR
RET
51052-0800
SP
R210
27(1/2W)
D226
1SS252
D202
1SS252
SPA-PASS
RY202
Q202
KRC101M
SPB
DC
2SC1740S
Q205
Q206
2SC1740S
C209
220/10
C210
1000P
R212
3.3K
ASR7010
RY201
R241
10K
R242
10K
Q201
KRC101M
SPB-PASS
D227
1SS252
D201
1SS252
SPA
GND
C 3/3
RET
C216
ACH7014
10000/56
C217
ACH7020
10000/56
D225
1SS252
D203
1SS252
PRO
RY203
Q203
KRC101M
F CN1992
202
L
G
R
(H.P)
51052-0300
R205
47K
R206
47K
W309
D228
1SS252
D224
1SS252
H. P
R229
27
RY204
Q211
KRC101M
W310
AMP OL
C 3/3
J 154
CN220
R (L+R)
RY +B
G (RY G)
RC SP
KPD4
CO
FL
DC
PRO
SPB
H.P
SPA
-VF
AC2
AC1
M CN51
214
DG
ST +5V
WAKE UP
P. RY
C230
0.01
51063-0405
CN206
DC DET
OL DET
ST. +5V
W UP
GND(DG)
P RY
D. +5V
R.C RY
F RY
B RY
HP RY
A RY
-VF
FL AC2
FL AC1
KPE15
A 908
J103
L
ADX7171
J101
+B
ADX7169
J102
-B
ADX7170
J104
R
ADX7172
C 3/3
213
DC DET
OL DET
-B
-B
G (RET)
G (RET)
+B
+B
- DET
+ DET
51052-1000
J4 DYY10-200-2651
K CN502

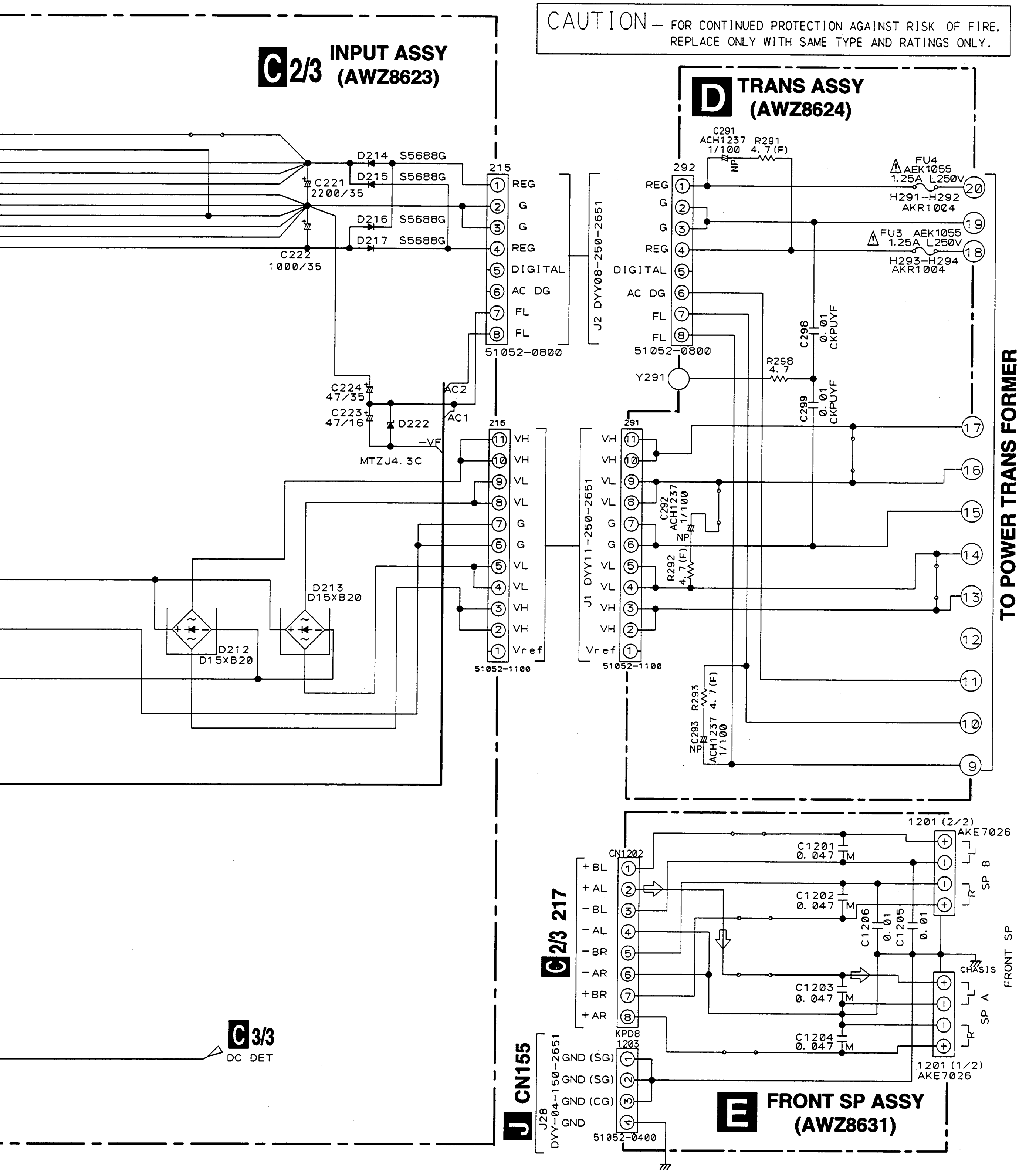
C 2/3

⇨ : AUDIO SIGNAL ROUTE

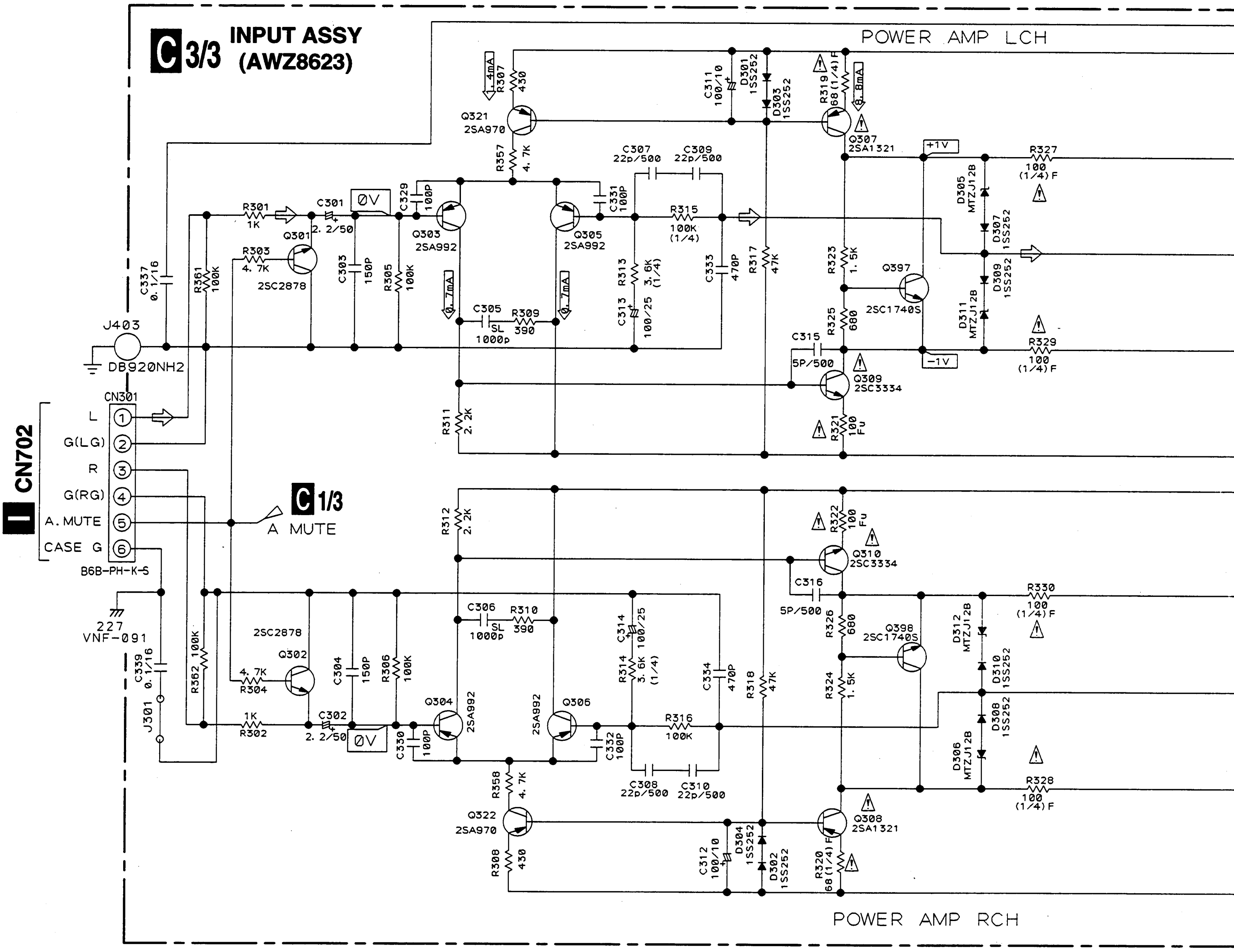
(H.P)⇨ : AUDIO SIGNAL ROUTE (HEADPHONE)

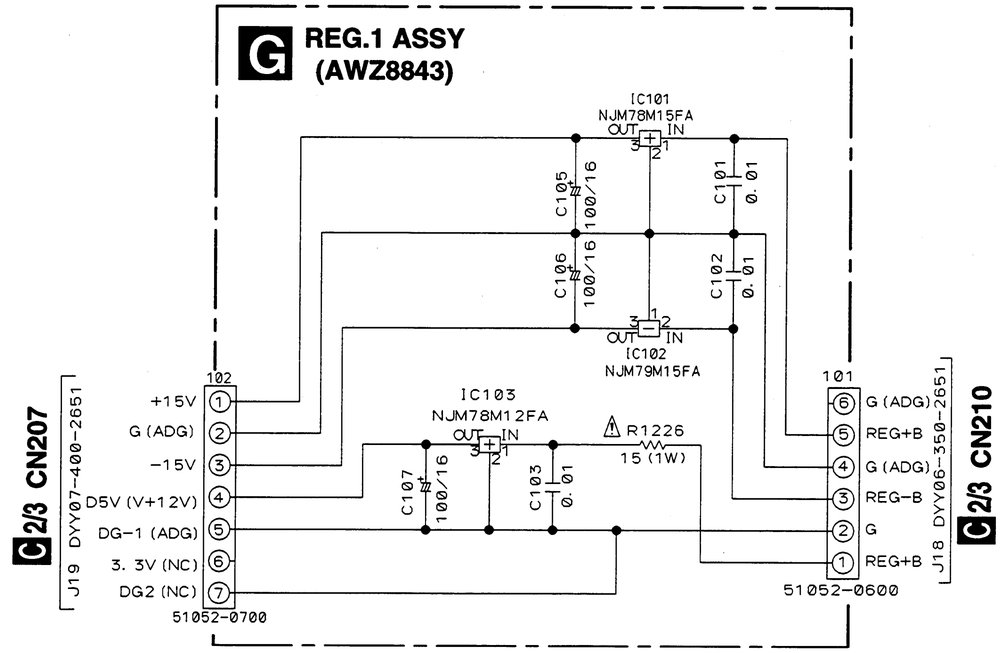
● NOTE FOR FUSE REPLACEMENT

CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.


C 2/3 INPUT ASSY (AWZ8623)
D TRANS ASSY (AWZ8624)
E FRONT SP ASSY (AWZ8631)
D214 S5688G
D215 S5688G
D216 S5688G
D217 S5688G
C221 2200/35
C222 1000/35
215
REG
G
G
REG
DIGITAL
AC DG
FL
FL
51052-0800
J2 DYY08-250-2651
292
C291 ACH1237 1/100 NP
R291 4.7(F)
FU4 AEK1055 1.25A L250V
H291–H292 AKR1004
FU3 AEK1055 1.25A L250V
H293–H294 AKR1004
C298 0.01 CKPUYF
C299 0.01 CKPUYF
R298 4.7
Y291
C224 47/35
C223 47/16
D222
MTZJ4.3C
AC2
AC1
-VF
216
VH
VH
VL
VL
G
G
VL
VL
VH
VH
Vref
51052-1100
291
J1 DYY11-250-2651
C292 ACH1237 1/100 NP
R292 4.7(F)
R293 4.7(F)
C293 ACH1237 1/100 NP
D213 D15XB20
D212 D15XB20
20
19
18
17
16
15
14
13
12
11
10
9
TO POWER TRANS FORMER
CN1202
+BL
+AL
-BL
-AL
-BR
-AR
+BR
+AR
C 2/3 217
KPD8 1203
C1201 0.047 M
C1202 0.047 M
C1203 0.047 M
C1204 0.047 M
C1205 0.01
C1206 0.01
1201 (2/2) AKE7026
1201 (1/2) AKE7026
SP B
SP A
L
R
CHASSIS
FRONT SP
C 3/3
DC DET
J CN155
J28 DYY-04-150-2651
GND (SG)
GND (SG)
GND (CG)
GND
51052-0400

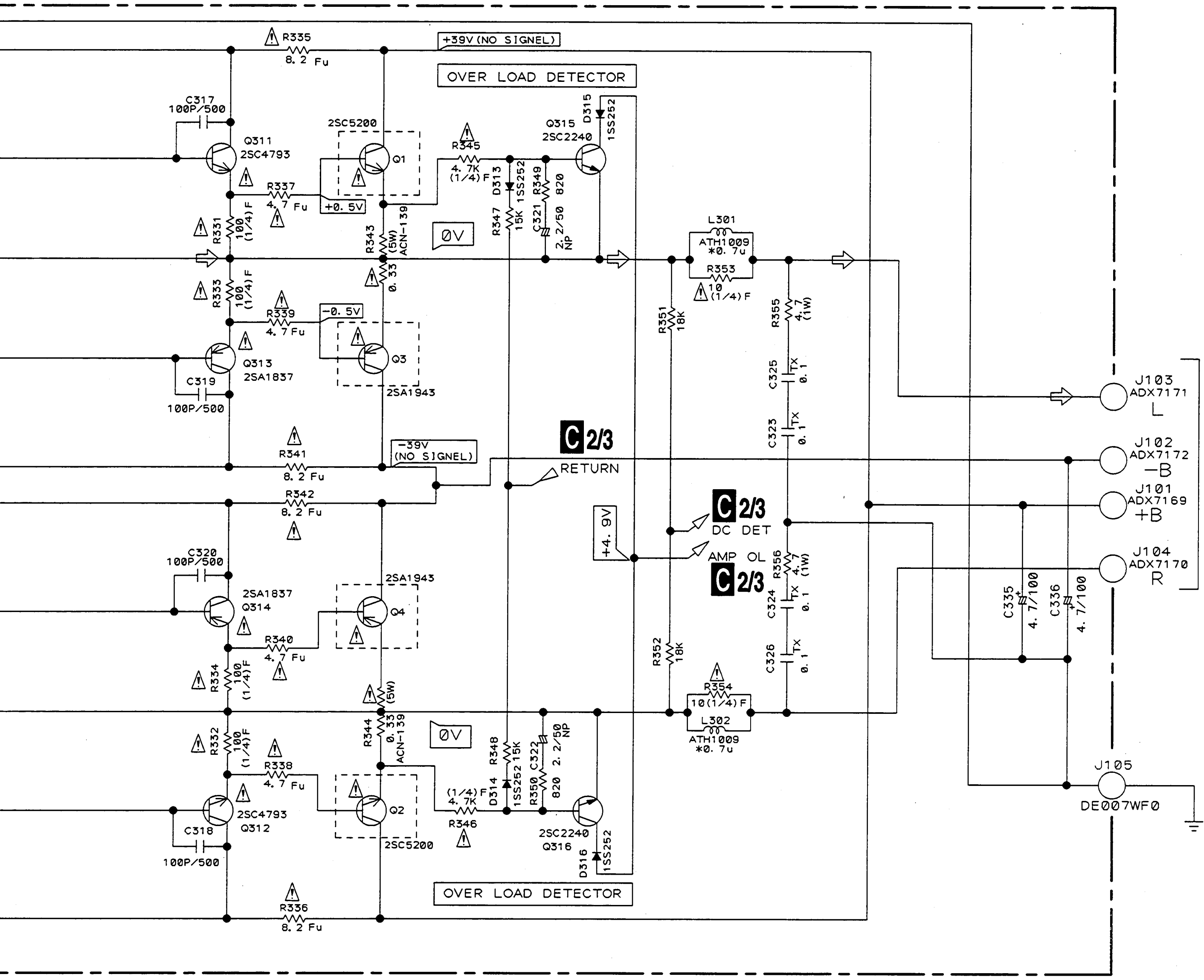
3.5 INPUT ASSY (3/3), FRONT INPUT ASSY AND REG.1 ASSY

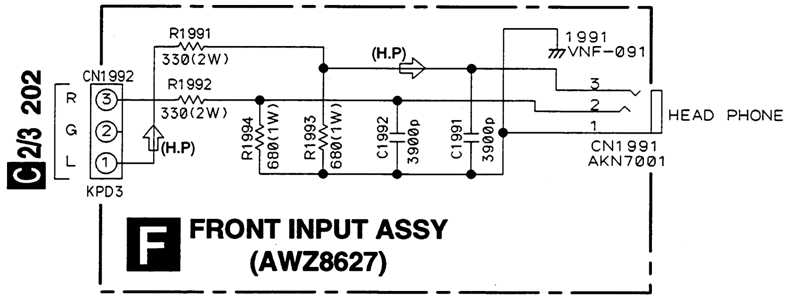

C 3/3 INPUT ASSY (AWZ8623)
POWER AMP LCH
POWER AMP RCH
1.4mA
R307 430
Q321 2SA970
R357 4.7K
C311 100/10
D301 1SS252
D303 1SS252
R319 68(1/4)F
8.8mA
Q307 2SA1321
+1V
R327 100 (1/4) F
D305 MTZJ12B
D307 1SS252
D309 1SS252
D311 MTZJ12B
R329 100 (1/4) F
-1V
C307 22p/500
C309 22p/500
R315 100K (1/4)
C329 100P
C331 100P
Q303 2SA992
Q305 2SA992
R301 1K
C301 2.2/50
0V
Q301 2SC2878
R303 4.7K
R361 100K
C337 0.1/16
C303 150P
R305 100K
0.7mA
0.7mA
C305 SL 1000p
R309 390
R313 3.6K (1/4)
C313 100/25
C333 470P
R317 47K
R323 1.5K
Q397 2SC1740S
R325 680
C315 5P/500
Q309 2SC3334
R321 100 Fu
R311 2.2K
J403 DB920NH2
CN301
L ①
G(LG) ②
R ③
G(RG) ④
A.MUTE ⑤
CASE G ⑥
B6B-PH-K-S
I CN702
C 1/3 A MUTE
R312 2.2K
R322 100 Fu
Q310 2SC3334
C316 5P/500
R330 100 (1/4) F
R326 680
Q398 2SC1740S
D312 MTZJ12B
D310 1SS252
D308 1SS252
D306 MTZJ12B
R328 100 (1/4) F
227 VNF-091
C339 0.1/16
J301
R362 100K
2SC2878 Q302
R304 4.7K
R302 1K
C302 2.2/50
0V
C304 150P
R306 100K
C306 SL 1000p
R310 390
C314 100/25
R314 3.6K (1/4)
C334 470P
R318 47K
R324 1.5K
Q304 2SA992
Q306 2SA992
C330 100P
C332 100P
R316 100K
C308 22p/500
C310 22p/500
R358 4.7K
Q322 2SA970
R308 430
C312 100/10
D304 1SS252
D302 1SS252
R320 68(1/4)F
Q308 2SA1321


G REG.1 ASSY (AWZ8843)
IC101 NJM78M15FA
OUT IN
3 2 1
C105 100/16
C101 0.01
C106 100/16
C102 0.01
IC102 NJM79M15FA
OUT IN
1 2 3
IC103 NJM78M12FA
OUT IN
3 2 1
C107 100/16
C103 0.01
R1226 15 (1W)
102
+15V ①
G (ADG) ②
-15V ③
D5V (V+12V) ④
DG-1 (ADG) ⑤
3.3V (NC) ⑥
DG2 (NC) ⑦
51052-0700
C 2/3 CN207
J19 DYY07-400-2651
101
⑥ G (ADG)
⑤ REG+B
④ G (ADG)
③ REG-B
② G
① REG+B
51052-0600
C 2/3 CN210
J18 DYY06-350-2651

⇨ : AUDIO SIGNAL ROUTE

(H.P) ⇨ : AUDIO SIGNAL ROUTE (HEADPHONE)


R335 8.2 Fu
+39V (NO SIGNEL)
OVER LOAD DETECTOR
C317 100P/500
Q311 2SC4793
2SC5200 Q1
R345 4.7K (1/4) F
Q315 2SC2240
D315 1SS252
D313 1SS252
R349 820
R347 15K
C321 2.2/50 NP
R337 4.7 Fu
+0.5V
R331 100 (1/4) F
R343 0.33 (5W) ACN-139
0V
L301 ATH1009 *0.7u
R353 10 (1/4) F
R355 4.7 (1W)
R333 100 (1/4) F
R339 4.7 Fu
-0.5V
Q3 2SA1943
Q313 2SA1837
C319 100P/500
R351 18K
C325 TX 0.1
C323 TX 0.1
R341 8.2 Fu
-39V (NO SIGNEL)
C 2/3
RETURN
R342 8.2 Fu
+4.9V
C 2/3 DC DET
AMP OL
C 2/3
R356 4.7 (1W)
C320 100P/500
2SA1837 Q314
2SA1943 Q4
R340 4.7 Fu
R334 100 (1/4) F
R352 18K
C324 TX 0.1
C326 TX 0.1
C335 4.7/100
C336 4.7/100
R354 10 (1/4) F
L302 ATH1009 *0.7u
R344 0.33 (5W) ACN-139
0V
R332 100 (1/4) F
R338 4.7 Fu
R348 15K
D314 1SS252
C322 2.2/50 NP
R350 820
C318 100P/500
2SC4793 Q312
Q2 2SC5200
R346 4.7K (1/4) F
2SC2240 Q316
D316 1SS252
OVER LOAD DETECTOR
R336 8.2 Fu
J103 ADX7171 L
J102 ADX7172 -B
J101 ADX7169 +B
J104 ADX7170 R
C 2/3
J105 DE007WF0

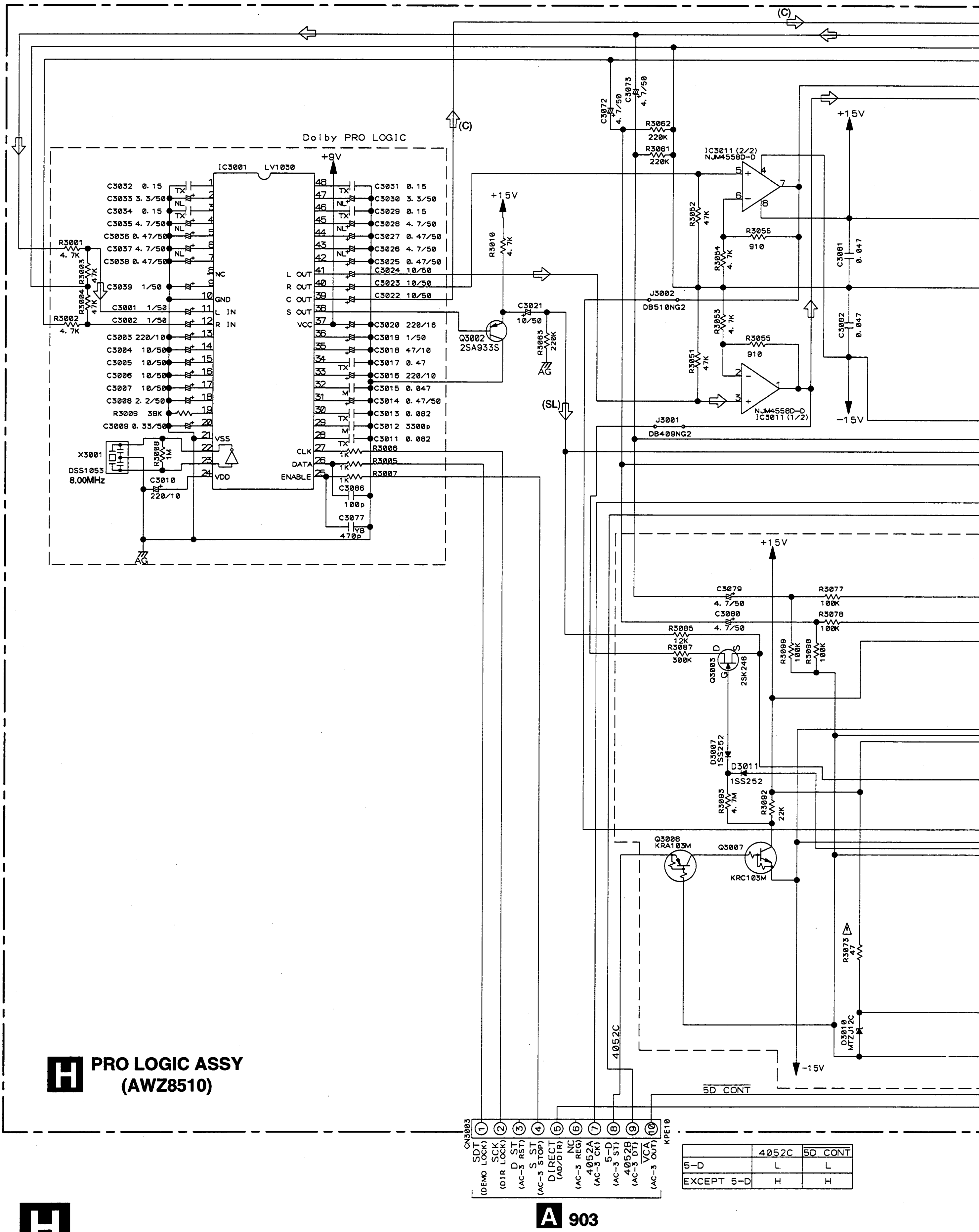

C 2/3 202
R G L
CN1992
KPD3
R1991 330(2W)
R1992 330(2W)
(H.P)
R1994 680(1W)
R1993 680(1W)
C1992 3900p
C1991 3900p
1991 VNF-091
3 2 1
HEAD PHONE
CN1991 AKN7001
F FRONT INPUT ASSY (AWZ8627)

Noted
1.Resistors
Indicated in ohm 1/4W
tolerance ±5%
unless otherwise noted
K:Kohm , M:Mohm
F : Non flammable type
Fu: Non flammable quick open type
FL: Non flammable type(RD1/4LMF***J type)

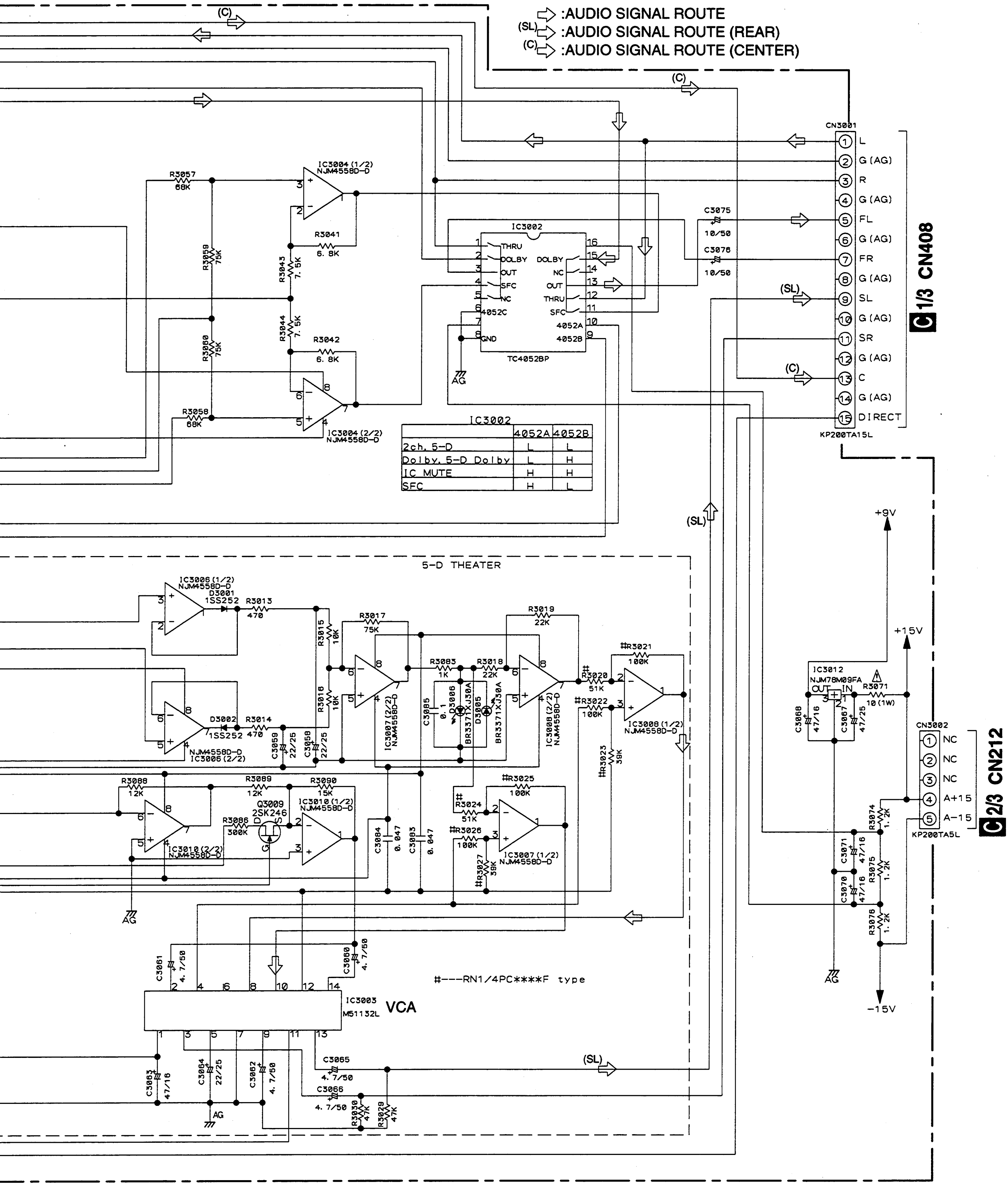
2.Capacitors
Indicated in capacity(uF)/voltege(V)
unless otherwise noted
p=pF
Indication without voltae is 50V except
electroiytic capacitor
NL=CEANL⁻ , TX=CFTXA⁻

3.Diodes
Other diodes(not noted) are 1SS252

3.6 PRO LOGIC ASSY

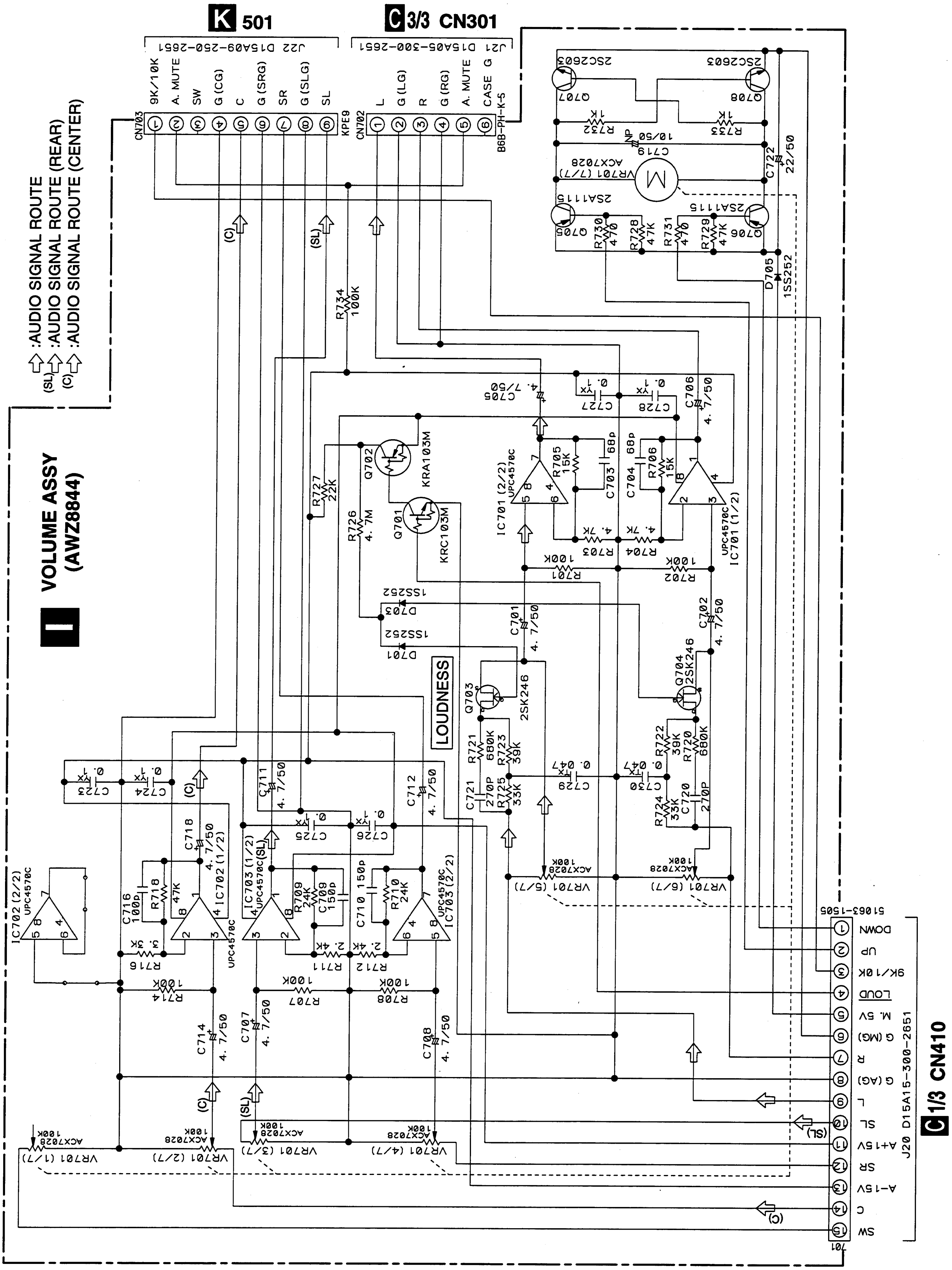

Dolby PRO LOGIC
IC3001 LV1030
+9V
+15V
-15V
(C)
(SL)
L OUT
R OUT
C OUT
S OUT
VCC
GND
L IN
R IN
VSS
VDD
CLK
DATA
ENABLE
NC
X3001
DSS1053
8.00MHz
R3001 4.7K
R3002 4.7K
R3003 47K
R3004 47K
R3008 1M
R3009 39K
R3010 4.7K
R3005
R3006
R3007
C3001 1/50
C3002 1/50
C3010 220/10
C3086 100p
C3077 470p
C3021 10/50
R3063 220K
Q3002 2SA933S
J3002 DB510NG2
J3001 DB409NG2
IC3011 (2/2) NJM4558D-D
IC3011 (1/2) NJM4558D-D
R3062 220K
R3061 220K
R3052 47K
R3051 47K
R3054 4.7K
R3053 4.7K
R3056 910
R3055 910
C3072 4.7/50
C3073 4.7/50
C3081 0.047
C3082 0.047
C3079 4.7/50
C3080 4.7/50
R3077 100K
R3078 100K
R3085 12K
R3087 300K
R3099 100K
R3098 100K
Q3003 2SK246
D3007 1SS252
D3011 1SS252
R3093 4.7M
R3092 22K
Q3008 KRA103M
Q3007 KRC103M
R3073 47
D3010 MTZJ12C
4052C
5D CONT
CN3003
KPE10
① SDT (DEMO LOCK)
② SCK (DIR LOCK)
③ D ST (AC-3 RST)
④ S ST (AC-3 STOP)
⑤ DIRECT (AD/DIR)
⑥ NC (AC-3 REG)
⑦ 4052A (AC-3 CK)
⑧ 5-D (AC-3 ST)
⑨ 4052B (AC-3 DT)
⑩ VCA (AC-3 OUT)
A 903
H PRO LOGIC ASSY (AWZ8510)

	4052C	5D CONT
5-D	L	L
EXCEPT 5-D	H	H

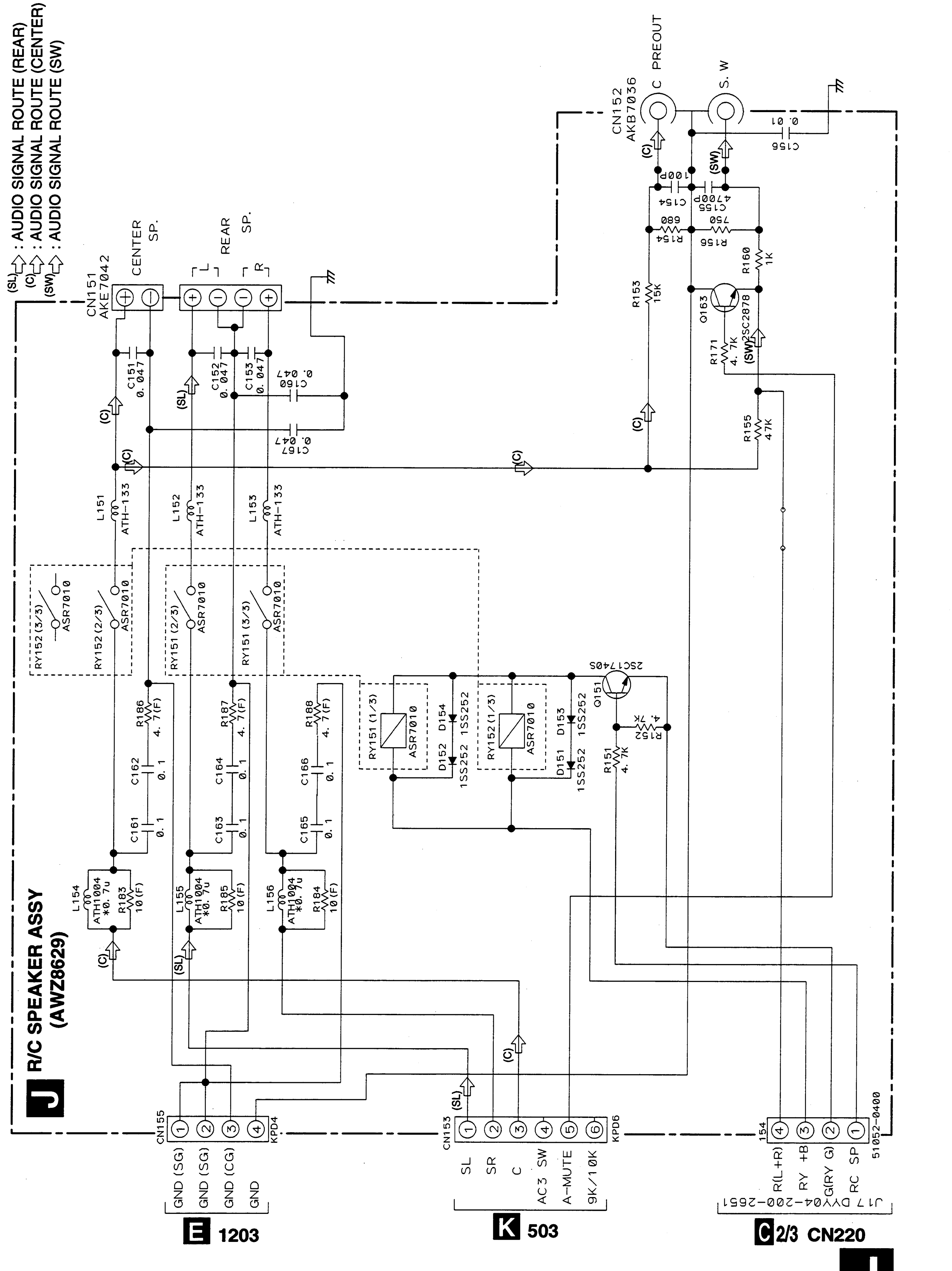

:AUDIO SIGNAL ROUTE
(SL) :AUDIO SIGNAL ROUTE (REAR)
(C) :AUDIO SIGNAL ROUTE (CENTER)
(C)
(SL)
CN3001
1 L
2 G (AG)
3 R
4 G (AG)
5 FL
6 G (AG)
7 FR
8 G (AG)
9 SL
10 G (AG)
11 SR
12 G (AG)
13 C
14 G (AG)
15 DIRECT
KP200TA15L
C 1/3 CN408
C3075 10/50
C3076 10/50
IC3002
THRU
DOLBY
OUT
SFC
NC
4052C
GND
4052A
4052B
TC4052BP
AG
IC3004 (1/2) NJM4558D-D
IC3004 (2/2) NJM4558D-D
R3057 68K
R3058 68K
R3059 75K
R3060 75K
R3041 6.8K
R3042 6.8K
R3043 7.5K
R3044 7.5K
+9V
+15V
-15V
IC3012 NJM78M09FA
OUT IN
R3071 10 (1W)
C3068 47/16
C3067 47/25
CN3002
1 NC
2 NC
3 NC
4 A+15
5 A-15
KP200TA5L
C 2/3 CN212
R3074 1.2K
R3075 1.2K
R3076 1.2K
C3071 47/16
C3070 47/16
5-D THEATER
IC3006 (1/2) NJM4558D-D
IC3006 (2/2) NJM4558D-D
D3001 1SS252
D3002 1SS252
R3013 470
R3014 470
R3015 10K
R3016 10K
C3059 22/25
C3058 22/25
R3017 75K
IC3007 (2/2) NJM4558D-D
IC3007 (1/2) NJM4558D-D
R3083 1K
R3018 22K
R3019 22K
C3085 0.1
D3006 BR3371XJ30A
D3005 BR3371XJ30A
IC3008 (2/2) NJM4558D-D
IC3008 (1/2) NJM4558D-D
#R3020 51K
#R3022 100K
#R3021 100K
#R3023 39K
#R3024 51K
#R3025 100K
#R3026 100K
#R3027 39K
R3088 12K
R3089 12K
R3090 15K
R3086 300K
Q3009 2SK246
IC3010 (1/2) NJM4558D-D
IC3010 (2/2) NJM4558D-D
C3084 0.047
C3083 0.047
C3061 4.7/50
C3060 4.7/50
IC3003 M51132L
VCA
C3063 47/16
C3064 22/25
C3062 4.7/50
C3065 4.7/50
C3066 4.7/50
R3030 47K
R3029 47K
#---RN1/4PC****F type

IC3002	4052A	4052B
2ch, 5-D	L	L
Dolby, 5-D Dolby	L	H
IC MUTE	H	H
SFC	H	L

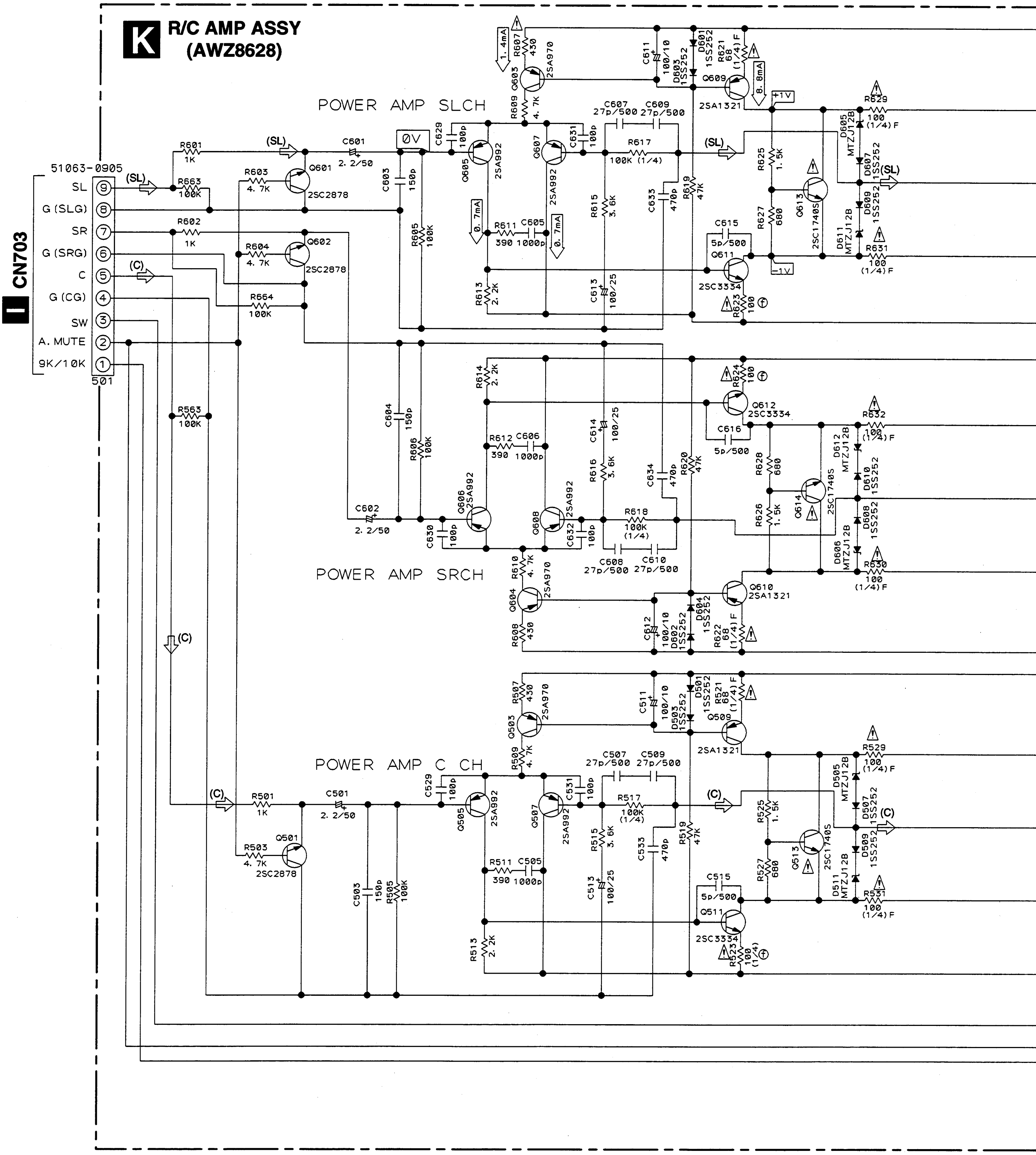
3.7 VOLUME ASSY


K 501
C 3/3 CN301
J22 D15A09-250-2651
J21 D15A05-300-2651
CN703
9K/10K
A. MUTE
SW
G (CG)
C
G (SRG)
SR
G (SLG)
SL
KPE9
CN702
L
G (LG)
R
G (RG)
A. MUTE
CASE G
B6B-PH-K-S
:AUDIO SIGNAL ROUTE
(SL) :AUDIO SIGNAL ROUTE (REAR)
(C) :AUDIO SIGNAL ROUTE (CENTER)
I
VOLUME ASSY
(AWZ8844)
LOUDNESS
Q707 2SC2603
Q708 2SC2603
Q705 2SA1115
Q706 2SA1115
R732 1K
R733 1K
C719 10/50 NP
VR701 (7/7) ACX7028
M
C722 22/50
R730 470
R728 47K
R731 470
R729 47K
D705 1SS252
R734 100K
C705 4.7/50
C727 0.1
C728 0.1
C706 4.7/50
Q702 KRA103M
Q701 KRC103M
R727 22K
R726 4.7M
IC701 (2/2) UPC4570C
IC701 (1/2) UPC4570C
R705 15K
R706 15K
C703 68p
C704 68p
R703 4.7K
R704 4.7K
R701 100K
R702 100K
D703 1SS252
D701 1SS252
C701 4.7/50
C702 4.7/50
Q703 2SK246
Q704 2SK246
R721 680K
R723 39K
R722 39K
R720 680K
C721 270P
R725 33K
C729 0.047
C730 0.047
R724 33K
C720 270P
VR701 (5/7) ACX7028 100K
VR701 (6/7) ACX7028 100K
C723 0.1
C724 0.1
C711 4.7/50
C712 4.7/50
C725 0.1
C726 0.1
IC702 (2/2) UPC4570C
IC702 (1/2) UPC4570C
C718 4.7/50
C716 100p
R718 47K
R716 3.3K
R714 100K
C714 4.7/50
IC703 (1/2) UPC4570C
IC703 (2/2) UPC4570C
R709 24K
C709 150p
C710 150p
R710 24K
R711 2.4K
R712 2.4K
R707 100K
R708 100K
C707 4.7/50
C708 4.7/50
(C)
(SL)
VR701 (1/7) ACX7028 100K
VR701 (2/7) ACX7028 100K
VR701 (3/7) ACX7028 100K
VR701 (4/7) ACX7028 100K
51063-1505
DOWN
UP
9K/10K
LOUD
M. 5V
G (MG)
R
G (AG)
L
SL
A+15V
SR
A-15V
C
SW
J20 D15A15-300-2651
C 1/3 CN410
J701

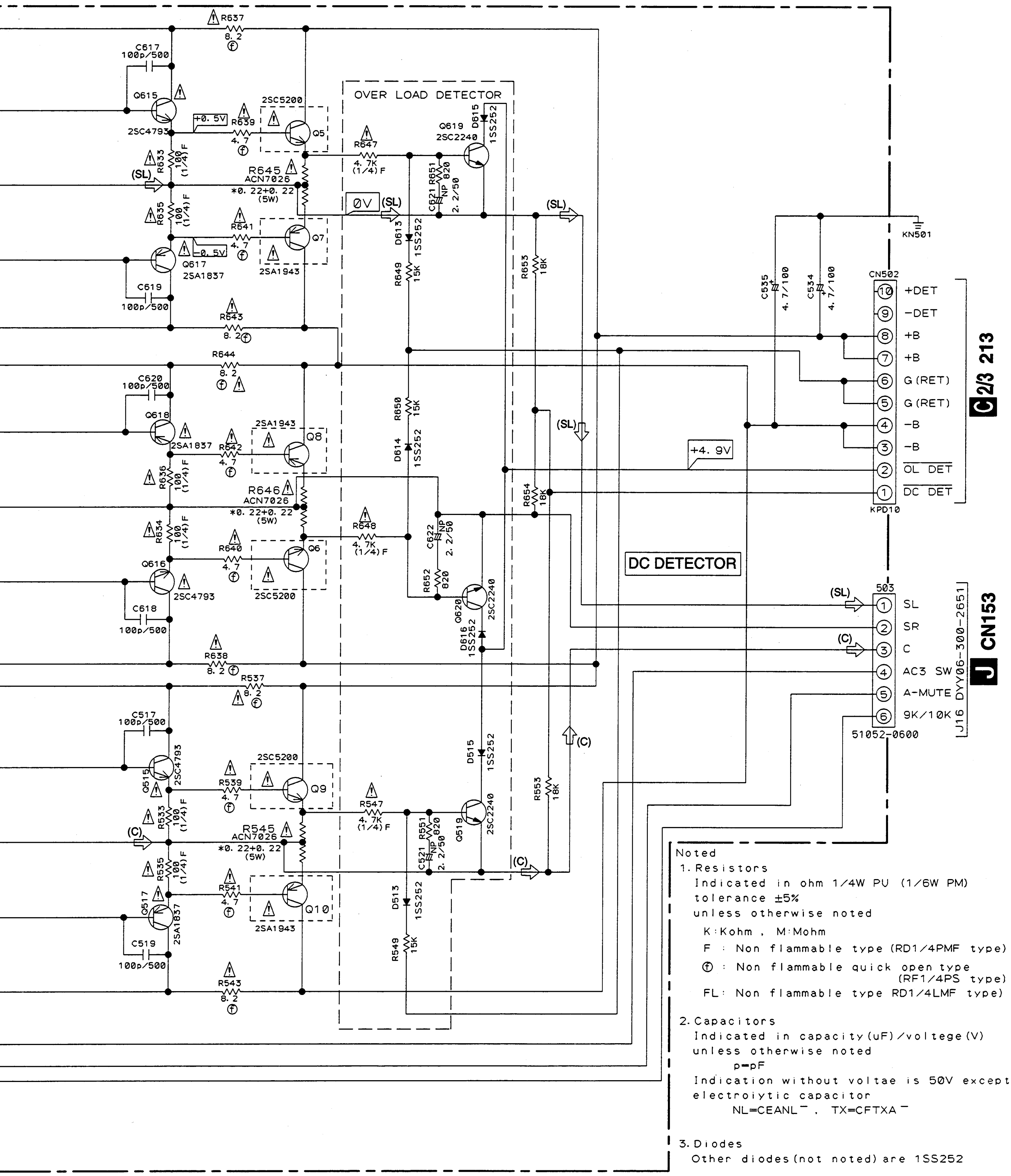
3.8 R/C SPEAKER ASSY


(SL) : AUDIO SIGNAL ROUTE (REAR)
(C) : AUDIO SIGNAL ROUTE (CENTER)
(SW) : AUDIO SIGNAL ROUTE (SW)
J R/C SPEAKER ASSY (AWZ8629)
CN151 AKE7042
CENTER SP.
REAR SP.
L
R
CN152 AKB7036
C PREOUT
S. W
C151 0.047
C152 0.047
C153 0.047
C160 0.047
C167 0.047
C154 100P
C155 4700P
C156 0.01
R153 15K
R154 680
R156 750
R160 1K
R171 4.7K
R155 47K
Q163 2SC2878
L151 ATH-133
L152 ATH-133
L153 ATH-133
RY152 (3/3) ASR7010
RY152 (2/3) ASR7010
RY151 (2/3) ASR7010
RY151 (3/3) ASR7010
RY151 (1/3) ASR7010
RY152 (1/3) ASR7010
D154 1SS252
D152 1SS252
D153 1SS252
D151 1SS252
Q151 2SC1740S
R151 4.7K
R152 4.7K
R186 4.7(F)
R187 4.7(F)
R188 4.7(F)
C161 0.1
C162 0.1
C163 0.1
C164 0.1
C165 0.1
C166 0.1
L154 ATH1004 *0.7u
L155 ATH1004 *0.7u
L156 ATH1004 *0.7u
R183 10(F)
R185 10(F)
R184 10(F)
CN155 KPD4
1 GND (SG)
2 GND (SG)
3 GND (CG)
4 GND
E 1203
CN153 KPD6
1 SL
2 SR
3 C
4 AC3 SW
5 A-MUTE
6 9K/10K
K 503
154 51052-0400
4 R(L+R)
3 RY +B
2 G(RY G)
1 RC SP
J17 DYY04-200-2651
C 2/3 CN220

3.9 R/C AMP ASSY


K R/C AMP ASSY (AWZ8628)
I CN703
51063-0905
SL 9
G (SLG) 8
SR 7
G (SRG) 6
C 5
G (CG) 4
SW 3
A. MUTE 2
9K/10K 1
501
POWER AMP SLCH
POWER AMP SRCH
POWER AMP C CH
(SL)
(C)
0V
+1V
-1V
1.4mA
0.7mA
8.8mA
R601 1K
R602 1K
R603 4.7K
R604 4.7K
R663 100K
R664 100K
R563 100K
Q601 2SC2878
Q602 2SC2878
C601 2.2/50
C602 2.2/50
C603 150p
C604 150p
R605 100K
R606 100K
Q605 2SA992
Q606 2SA992
Q607 2SA992
Q608 2SA992
C629 100p
C630 100p
C631 100p
C632 100p
R611 390
R612 390
C605 1000p
C606 1000p
R613 2.2K
R614 2.2K
R615 3.6K
R616 3.6K
C613 100/25
C614 100/25
C633 470p
C634 470p
R617 100K (1/4)
R618 100K (1/4)
C607 27p/500
C608 27p/500
C609 27p/500
C610 27p/500
R619 47K
R620 47K
R607 430
R608 430
R609 4.7K
R610 4.7K
Q603 2SA970
Q604 2SA970
C611 100/10
C612 100/10
D601 1SS252
D602 1SS252
D603 1SS252
D604 1SS252
R621 68 (1/4) F
R622 68 (1/4) F
Q609 2SA1321
Q610 2SA1321
Q611 2SC3334
Q612 2SC3334
R623 100
R624 100
C615 5p/500
C616 5p/500
R625 1.5K
R626 1.5K
R627 680
R628 680
Q613 2SC1740S
Q614 2SC1740S
D605 MTZJ12B
D606 MTZJ12B
D611 MTZJ12B
D612 MTZJ12B
D607 1SS252
D608 1SS252
D609 1SS252
D610 1SS252
R629 100 (1/4) F
R630 100 (1/4) F
R631 100 (1/4) F
R632 100 (1/4) F
R501 1K
R503 4.7K
Q501 2SC2878
C501 2.2/50
C503 150p
R505 100K
Q505 2SA992
Q507 2SA992
C529 100p
C531 100p
R511 390
C505 1000p
R513 2.2K
R515 3.6K
C513 100/25
C533 470p
R517 100K (1/4)
C507 27p/500
C509 27p/500
R519 47K
R507 430
R509 4.7K
Q503 2SA970
C511 100/10
D501 1SS252
D503 1SS252
R521 68 (1/4) F
Q509 2SA1321
Q511 2SC3334
R523 100 (1/4)
C515 5p/500
R525 1.5K
R527 680
Q513 2SC1740S
D505 MTZJ12B
D511 MTZJ12B
D507 1SS252
D509 1SS252
R529 100 (1/4) F
R531 100 (1/4) F

(SL)⇨ : AUDIO SIGNAL ROUTE (REAR)
(C)⇨ : AUDIO SIGNAL ROUTE (CENTER)


R637 8.2 ⓕ
C617 100p/500
Q615
2SC4793
+0.5V
R639 4.7 ⓕ
2SC5200
Q5
R633 100 (1/4)F
(SL)
R645 ACN7026 *0.22+0.22 (5W)
R635 100 (1/4)F
R641 4.7 ⓕ
-0.5V
Q7
Q617 2SA1837
2SA1943
C619 100p/500
R643 8.2 ⓕ
R644 8.2 ⓕ
C620 100p/500
Q618
2SA1837
R642 4.7 ⓕ
2SA1943
Q8
R636 100 (1/4)F
R646 ACN7026 *0.22+0.22 (5W)
R634 100 (1/4)F
R640 4.7 ⓕ
Q6
Q616
2SC4793
2SC5200
C618 100p/500
R638 8.2 ⓕ
R537 8.2 ⓕ
C517 100p/500
Q515 2SC4793
2SC5200
R539 4.7 ⓕ
Q9
R533 100 (1/4)F
(C)
R545 ACN7026 *0.22+0.22 (5W)
R535 100 (1/4)F
R541 4.7 ⓕ
Q10
Q517 2SA1837
2SA1943
C519 100p/500
R543 8.2 ⓕ
OVER LOAD DETECTOR
Q619 2SC2240
D615 1SS252
R647 4.7K (1/4)F
R651 820
C621 NP 2.2/50
0V
(SL)
D613 1SS252
R649 15K
R653 18K
R650 15K
D614 1SS252
R648 4.7K (1/4)F
C622 NP 2.2/50
R652 820
Q620 2SC2240
D616 1SS252
D515 1SS252
R547 4.7K (1/4)F
R551 820
C521 NP 2.2/50
Q519 2SC2240
D513 1SS252
R549 15K
R553 18K
R654 18K
(C)
+4.9V
DC DETECTOR
C535 4.7/100
C534 4.7/100
KN501
CN502
⑩ +DET
⑨ -DET
⑧ +B
⑦ +B
⑥ G(RET)
⑤ G(RET)
④ -B
③ -B
② OL DET
① DC DET
KPD10
C 2/3 213
503
① SL
② SR
③ C
④ AC3 SW
⑤ A-MUTE
⑥ 9K/10K
51052-0600
J16 DYY06-300-2651
J CN153

Noted

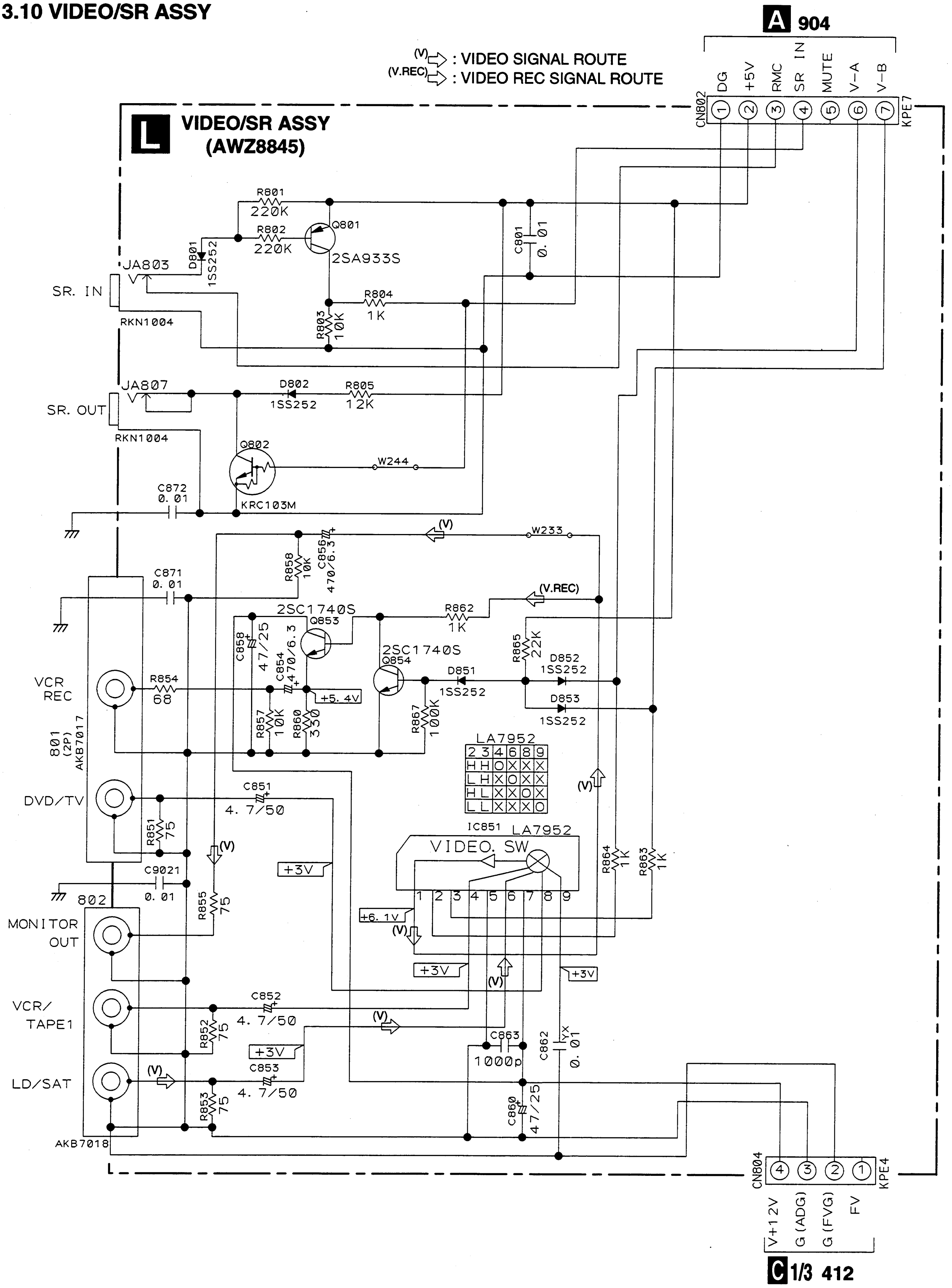
1. Resistors
Indicated in ohm 1/4W PU (1/6W PM)
tolerance ±5%
unless otherwise noted
K:Kohm , M:Mohm
F : Non flammable type (RD1/4PMF type)
ⓕ : Non flammable quick open type (RF1/4PS type)
FL: Non flammable type RD1/4LMF type)

2. Capacitors
Indicated in capacity(uF)/voltege(V)
unless otherwise noted
p=pF
Indication without voltae is 50V except
electroiytic capacitor
NL=CEANL⁻ , TX=CFTXA⁻

3. Diodes
Other diodes(not noted) are 1SS252

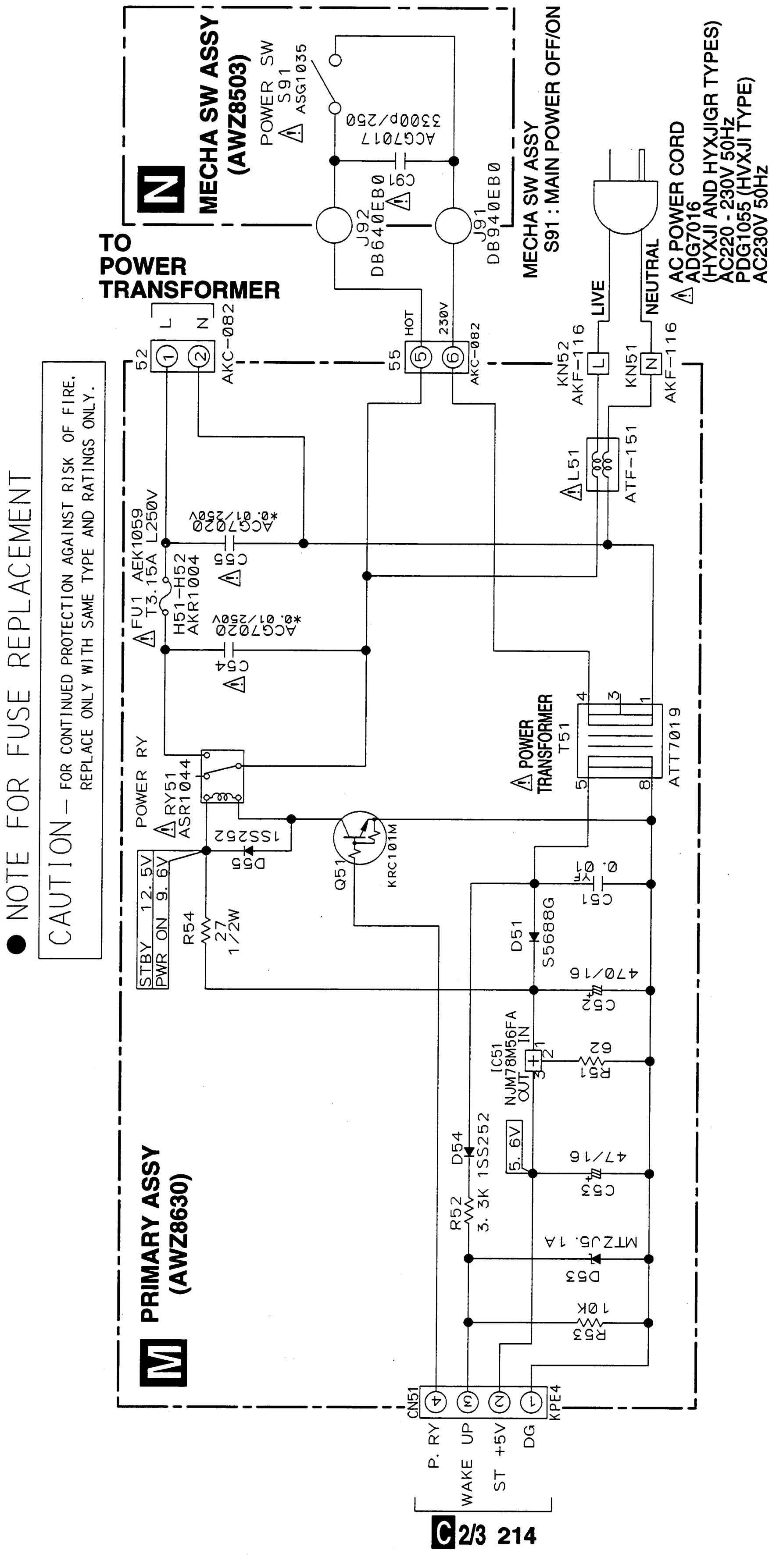
3.10 VIDEO/SR ASSY

(V) ⇨ : VIDEO SIGNAL ROUTE
(V.REC) ⇨ : VIDEO REC SIGNAL ROUTE


A 904
DG
+5V
RMC
SR IN
MUTE
V-A
V-B
CN802
KPE7
1 2 3 4 5 6 7
L VIDEO/SR ASSY (AWZ8845)
R801 220K
R802 220K
Q801 2SA933S
D801 1SS252
C801 0.01
JA803
SR. IN
RKN1004
R804 1K
R803 10K
JA807
SR. OUT
RKN1004
D802 1SS252
R805 12K
Q802 KRC103M
W244
C872 0.01
W233
(V)
R858 10K
C856 470/6.3
C871 0.01
(V.REC)
2SC1740S Q853
R862 1K
C858 47/25
C854 470/6.3
R865 22K
2SC1740S Q854
D851 1SS252
D852 1SS252
D853 1SS252
VCR REC
R854 68
+5.4V
R857 10K
R860 330
R867 100K
801 (2P) AKB7017
DVD/TV
C851 4.7/50
R851 75
LA7952
IC851 LA7952
VIDEO. SW
R864 1K
R863 1K
+3V
C9021 0.01
802
R855 75
1 2 3 4 5 6 7 8 9
+6.1V
MONITOR OUT
+3V
+3V
VCR/ TAPE1
C852 4.7/50
R852 75
C863 1000p
C862 YX 0.01
+3V
LD/SAT
C853 4.7/50
R853 75
C860 47/25
AKB7018
CN804
KPE4
4 3 2 1
V+12V
G(ADG)
G(FVG)
FV
C 1/3 412

2	3	4	6	8	9
H	H	O	X	X	X
L	H	X	O	X	X
H	L	X	X	O	X
L	L	X	X	X	O

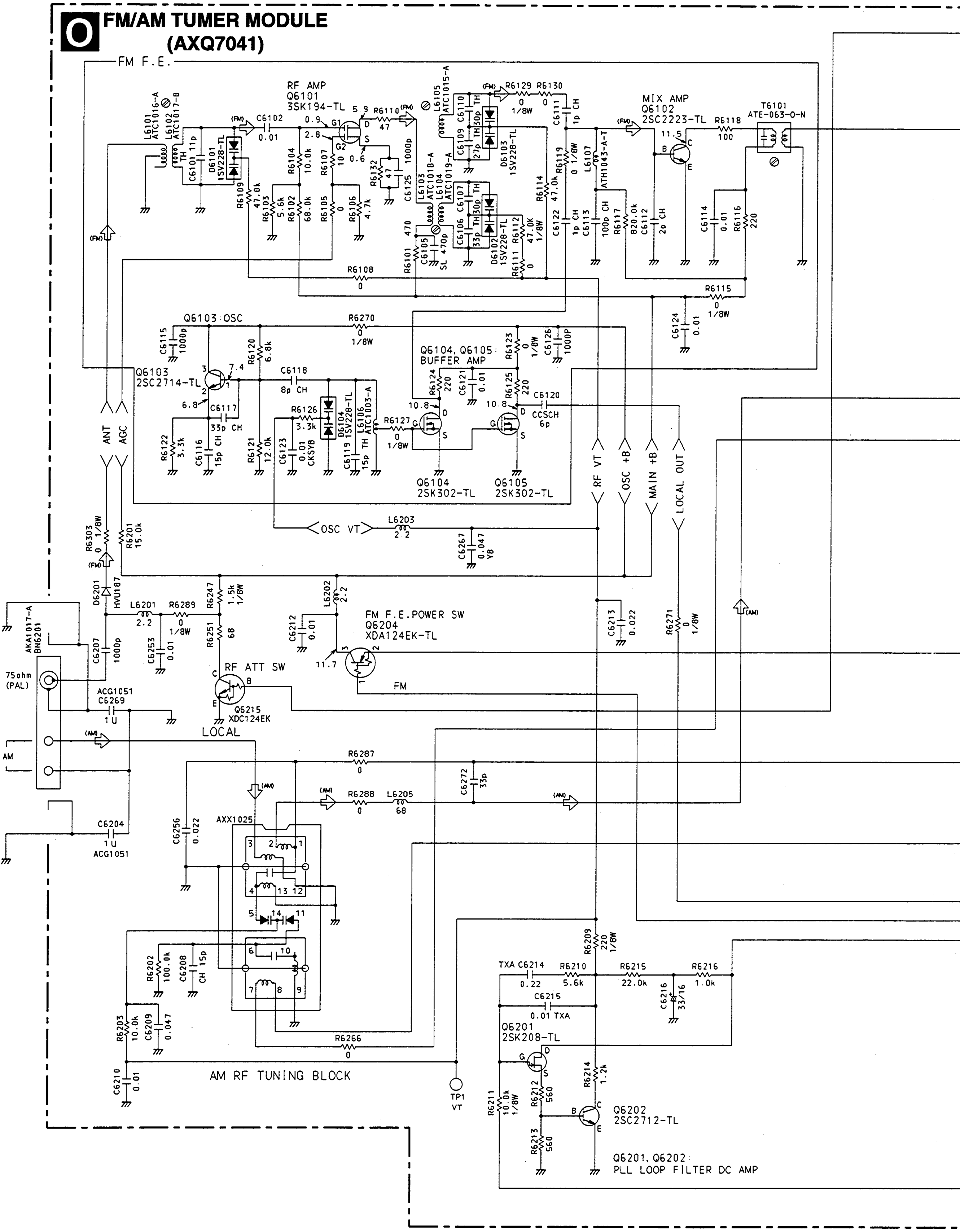
3.11 PRIMARY ASSY AND MECHA SW ASSY

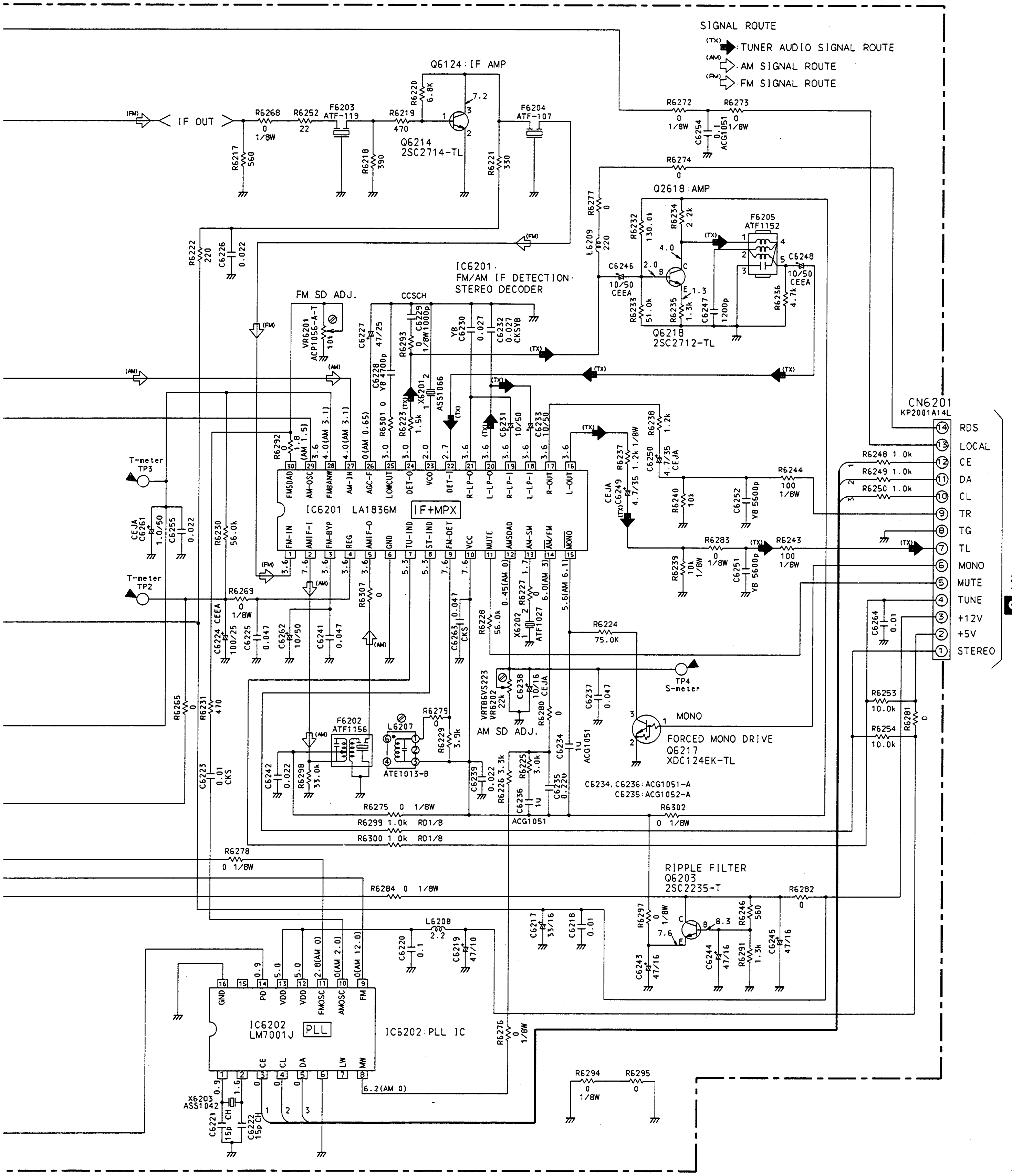

N
MECHA SW ASSY
(AWZ8503)
POWER SW
S91
ASG1035
3300p/250
ACG7017
C91
J92
DB640EB0
J91
DB940EB0
MECHA SW ASSY
S91 : MAIN POWER OFF/ON
TO POWER TRANSFORMER
L
N
52
AKC-082
55
HOT
230V
AKC-082
KN52
AKF-116
LIVE
KN51
AKF-116
NEUTRAL
AC POWER CORD
ADG7016
(HYXJI AND HYXJIGR TYPES)
AC220 - 230V 50Hz
PDG1055 (HVXJI TYPE)
AC230V 50Hz
L51
ATF-151
FU1 AEK1059
T3.15A L250V
H51-H52
AKR1004
*0.01/250V
ACG7020
C55
*0.01/250V
ACG7020
C54
POWER RY
RY51
ASR1044
1SS252
D55
STBY 12.5V
PWR ON 9.6V
R54
27
1/2W
Q51
KRC101M
POWER TRANSFORMER
T51
ATT7019
4
3
1
5
8
0.01
C51
D51
S5688G
470/16
C52
IC51
NJM78M56FA
OUT
IN
62
R51
5.6V
47/16
C53
D54
1SS252
R52
3.3K
MTZJ5.1A
D53
10K
R53
M
PRIMARY ASSY
(AWZ8630)
CN51
KPE4
P.RY
WAKE UP
ST +5V
DG
C 2/3 214

● NOTE FOR FUSE REPLACEMENT

CAUTION – FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATINGS ONLY.

3.12 FM/AM TUNER MODULE


O
FM/AM TUMER MODULE
(AXQ7041)
FM F.E.
RF AMP
Q6101
3SK194-TL
MIX AMP
Q6102
2SC2223-TL
T6101
ATE-063-0-N
L6101 ATC1016-A
L6102 ATC1017-B
C6101 11p TH
D6101 1SV228-TL
C6102 0.01
R6109 47.0k
R6103 5.6k
R6104 10.0k
R6102 68.0k
R6107 10
R6105 0
R6106 4.7k
R6110 47
R6132 47
C6125 1000p
R6108 0
L6105 ATC1015-A
L6103 ATC1018-A
L6104 ATC1019-A
C6110 TH
C6109 27p
C6107 TH
C6106 33p
D6103 1SV228-TL
D6102 1SV228-TL
R6101 470
C6105 SL 470p
R6111 0
R6112 47.0K 1/8W
R6129
R6130 0 1/8W
C6111 1p CH
R6119 0 1/8W
R6114 47.0k
C6122 1p CH
C6113 100p CH
L6107 ATH1043-A-T
R6117 820.0k
C6112 2p CH
R6118 100
C6114 0.01
R6116 220
R6115 0 1/8W
C6124 0.01
Q6103:OSC
R6270 0 1/8W
C6115 1000p
R6120 6.8k
Q6103
2SC2714-TL
C6118 8p CH
C6117 33p CH
R6122 3.3k
C6116 15p CH
R6121 12.0k
C6123 0.01 CKSYB
R6126 3.3k
D6104 1SV228-TL
L6106 ATC1003-A
C6119 15p TH
R6127 0 1/8W
Q6104, Q6105:
BUFFER AMP
R6124 220
C6121 0.01
R6123 0 1/8W
C6126 1000P
R6125 220
C6120 CCSCH 6p
Q6104
2SK302-TL
Q6105
2SK302-TL
ANT
AGC
RF VT
OSC +B
MAIN +B
LOCAL OUT
OSC VT
L6203 2.2
C6267 0.047 YB
R6303 0 1/8W
R6201 15.0k
D6201 HVU187
L6201 2.2
R6289 0 1/8W
R6247 1.5k 1/8W
R6251 68
C6253 0.01
C6207 1000p
L6202 2.2
C6212 0.01
FM F.E.POWER SW
Q6204
XDA124EK-TL
FM
RF ATT SW
Q6215
XDC124EK
LOCAL
C6213 0.022
R6271 0 1/8W
AKA1017-A
BN6201
FM 75ohm
(PAL)
ACG1051
C6269 1U
AM
C6204 1U ACG1051
R6287 0
C6272 33p
R6288 0
L6205 68
C6256 0.022
AXX1025
R6202 100.0k
C6208 CH 15p
R6203 10.0k
C6209 0.047
C6210 0.01
R6266 0
AM RF TUNING BLOCK
TP1
VT
R6209 220 1/8W
TXA C6214 0.22
R6210 5.6k
R6215 22.0k
R6216 1.0k
C6216 33/16
C6215 0.01 TXA
Q6201
2SK208-TL
R6214 1.2k
R6211 10.0k 1/8W
R6212 560
R6213 560
Q6202
2SC2712-TL
Q6201, Q6202:
PLL LOOP FILTER DC AMP

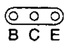
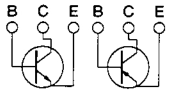
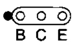
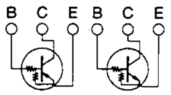
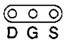
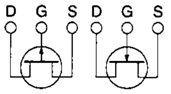
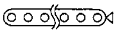
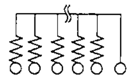
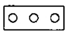
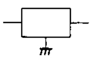

SIGNAL ROUTE
(TX): TUNER AUDIO SIGNAL ROUTE
(AM): AM SIGNAL ROUTE
(FM): FM SIGNAL ROUTE
IF OUT
Q6124: IF AMP
Q6214 2SC2714-TL
F6203 ATF-119
F6204 ATF-107
R6268 0 1/8W
R6252 22
R6219 470
R6220 6.8K
R6217 560
R6218 390
R6221 330
R6272 0 1/8W
R6273 0 1/8W
C6254 0.1 ACG1051
R6274 0
Q2618: AMP
Q6218 2SC2712-TL
F6205 ATF1152
R6277 0
L6209 220
R6232 130.0k
R6234 2.2k
C6246 10/50 CEEA
C6248 10/50 CEEA
R6233 51.0k
R6235 1.3k
C6247 1200p
R6236 4.7k
R6222 220
C6226 0.022
IC6201: FM/AM IF DETECTION·STEREO DECODER
FM SD ADJ.
VR6201 ACP1056-A-T 10k
CCSCH
C6227 47/25
C6228 YB 4700p
C6229 1/8W1000p
R6293 0
C6230 YB
C6232 0.027 CKSYB
X6201 ASS1066
R6301 0
R6223 1.5k
C6231 10/50
C6233 10/50
R6292 0
IC6201 LA1836M
IF+MPX
FMSDADJ AM-OSC FMBANW AM-IN AGC-F LOWCUT DET-O VCO DET-I R-LP-O L-LP-O R-LP-I L-LP-I R-OUT L-OUT
FM-IN AMIF-I FM-BYP REG AMIF-O GND TU-IND ST-IND FM-DET VCC MUTE AMSDADJ AM-SM AM/FM MONO
T-meter TP3
T-meter TP2
C6261 1.0/50 CEJA
C6255 0.022
R6230 56.0k
R6269 0 1/8W
C6224 100/25 CEEA
C6225 0.047
C6262 10/50
C6241 0.047
R6307 0
C6263 0.047 CKS
R6228 56.0k
X6202 ATF1027
R6227 0
R6237 1.2k 1/8W
R6238 1.2k
C6249 4.7/35 CEJA
C6250 4.7/35 CEJA
R6244 100 1/8W
R6240 10k
C6252 YB 5600p
R6283 0 1/8W
R6243 100 1/8W
R6239 10k 1/8W
C6251 YB 5600p
R6224 75.0K
TP4 S-meter
MONO
FORCED MONO DRIVE
Q6217 XDC124EK-TL
VR6202 VRTB6VS223 22k
C6238 10/16 CEJA
R6280 0
AM SD ADJ.
C6237 0.047
C6234 1u ACG1051
C6235 0.22U
C6236 1u
R6225 3.0k
R6226 3.3k
C6234, C6236: ACG1051-A
C6235: ACG1052-A
R6302 0 1/8W
R6265 0
R6231 470
C6223 0.01 CKS
F6202 ATF1156
L6207 ATE1013-B
R6279 0
R6229 3.9k
C6239 0.022
C6242 0.022
R6298 33.0k
R6275 0 1/8W
R6299 1.0k RD1/8
R6300 1.0k RD1/8
R6278 0 1/8W
R6284 0 1/8W
RIPPLE FILTER
Q6203 2SC2235-T
R6282 0
R6297 0 1/8W
R6246 560
C6243 47/16
C6244 47/16
R6291 1.3k
C6245 47/16
C6217 33/16
C6218 0.01
L6208 2.2
C6220 0.1
C6219 47/10
IC6202 LM7001J
PLL
IC6202: PLL IC
GND PD VDD VDD FMOSC AMOSC FM CE CL DA LW MW
X6203 ASS1042
C6221 15p CH
C6222 15p CH
R6276 0 1/8W
6.2(AM 0)
R6294 0 1/8W
R6295 0
CN6201 KP2001A14L
RDS LOCAL CE DA CL TR TG TL MONO MUTE TUNE +12V +5V STEREO
R6248 1.0k
R6249 1.0k
R6250 1.0k
C6264 0.01
R6253 10.0k
R6254 10.0k
R6281 0
C 1/3 CN407

4. PCB CONNECTION DIAGRAM

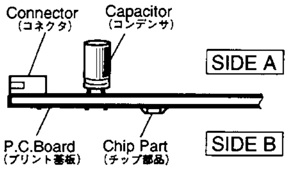
4.1 R/C SPEAKER ASSY, FRONT SP ASSY AND MECHA SW ASSY

NOTE FOR PCB DIAGRAMS

1. Part numbers in PCB diagrams match those in the schematic diagrams.
2. A comparison between the main parts of PCB and schematic diagrams is shown below.

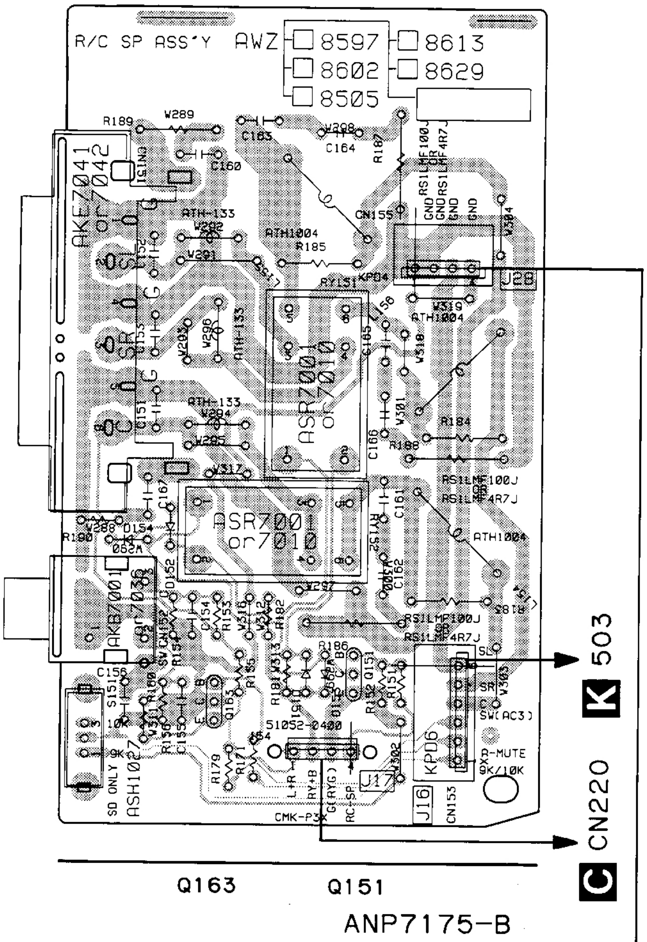
Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

3. The parts mounted on this PCB include all necessary parts for several destination.
   For further information for respecitve destinations, be sure to check with the schematic diagram.
4. Viewpoint of PCB diagrams

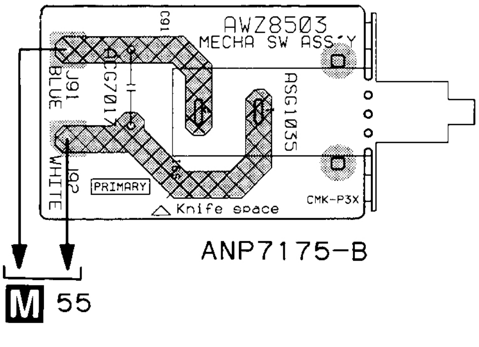

Connector
(コネクタ)
Capacitor
(コンデンサ)
SIDE A
P.C.Board
(プリント基板)
Chip Part
(チップ部品)
SIDE B

SIDE A

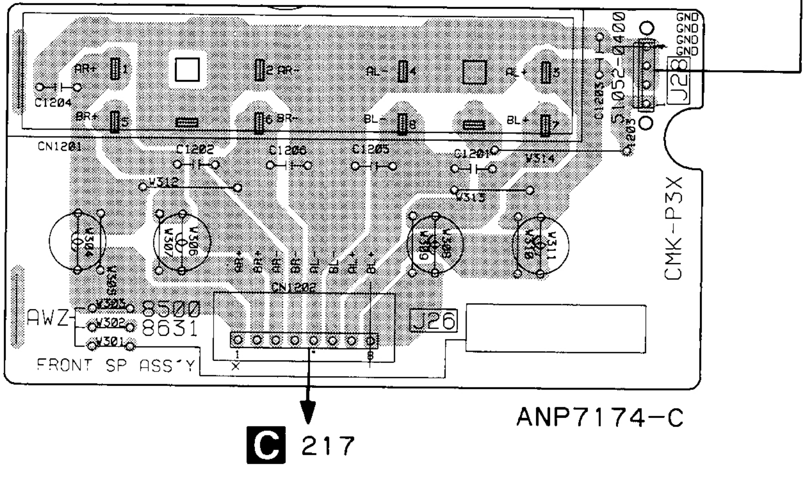
J R/C SPEAKER ASSY


R/C SP ASS'Y AWZ
8597
8613
8602
8629
8505
R189
W289
C163
W298
C164
R187
C160
CN151
AKE7041
or7042
ATH-133
W292
W291
ATH1004
R185
CN155
KP04
RY151
J28
W319
ATH1004
W296
W293
ATH-133
C165
ASR7001
or7010
W318
W301
R184
C166
R188
ATH-133
W294
W295
W317
C167
ASR7001
or7010
RS1LMF100J
RS1LMF4R7J
ATH1004
C161
C162
R190
W288
D154
Q62A
AKB7001
or7036
D152
C154
R153
R182
W297
RS1LMF100J
RS1LMF4R7J
R186
Q151
C156
S151
Q163
R181
R151
SL
SR
W303
SW(AC3)
KP06
51052-0400
J17
J16
CN153
R179
R171
R-MUTE
9K/10K
SD ONLY
ASH1027
CMK-P3X
503
K
CN220
C
Q163
Q151
ANP7175-B

N MECHA SW ASSY


J91
J92
BLUE
WHITE
AWZ8503
MECHA SW ASS'Y
IC7017
ASG1035
PRIMARY
Knife space
CMK-P3X
ANP7175-B
M 55

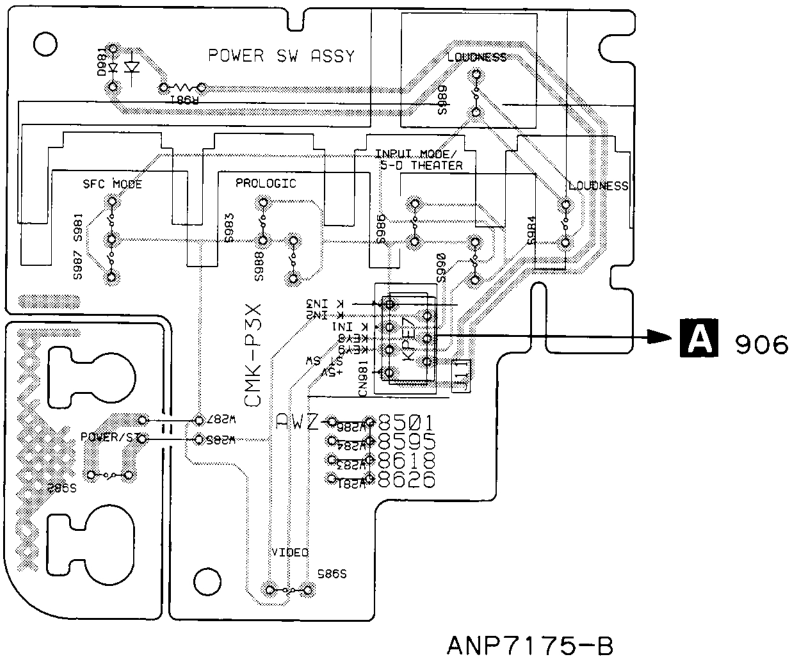
E FRONT SP ASSY


AR+
AR-
AL-
AL+
BR+
BR-
BL-
BL+
C1204
CN1201
C1202
C1206
C1205
C1201
C1203
51052-0400
J28
W314
W312
W313
V304
V306
V307
V308
V309
V310
V311
CN1202
AWZ
8500
8631
W303
W302
W301
J26
FRONT SP ASS'Y
CMK-P3X
GND
GND
GND
GND
ANP7174-C
C 217

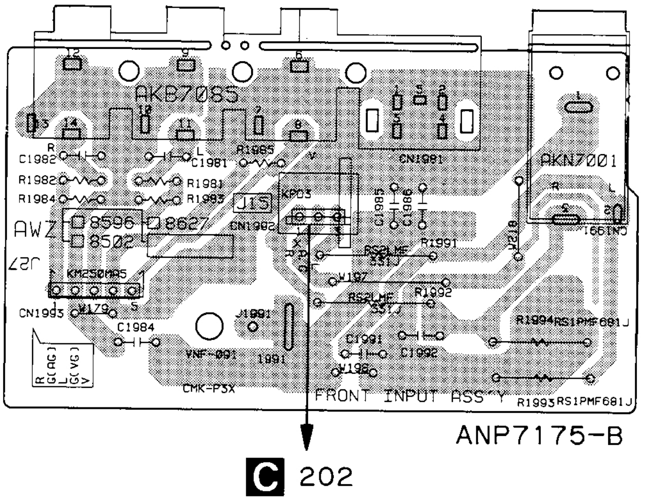
4.2 POWER SWITCH ASSY AND FRONT INPUT ASSY

SIDE A

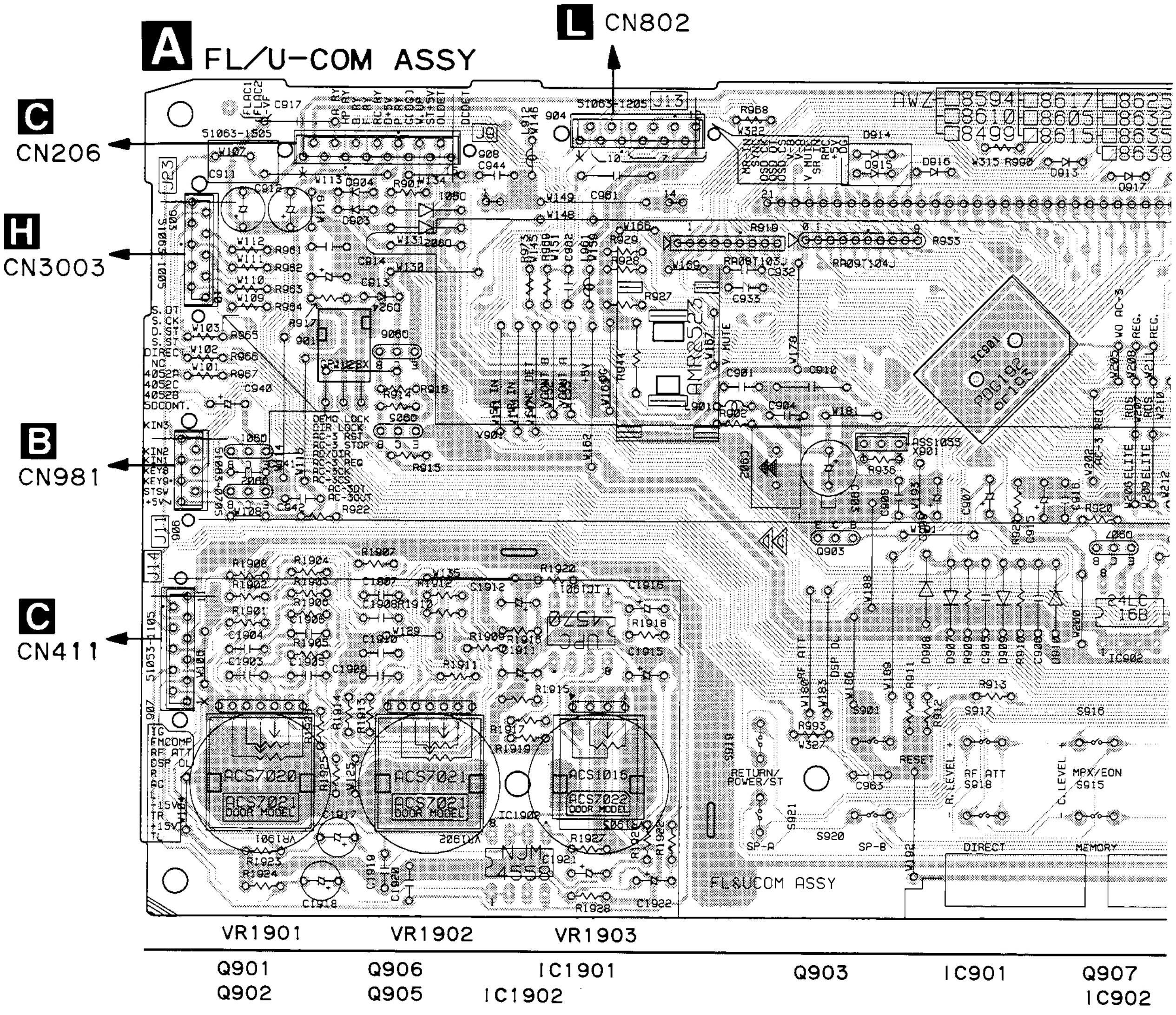
B POWER SW ASSY

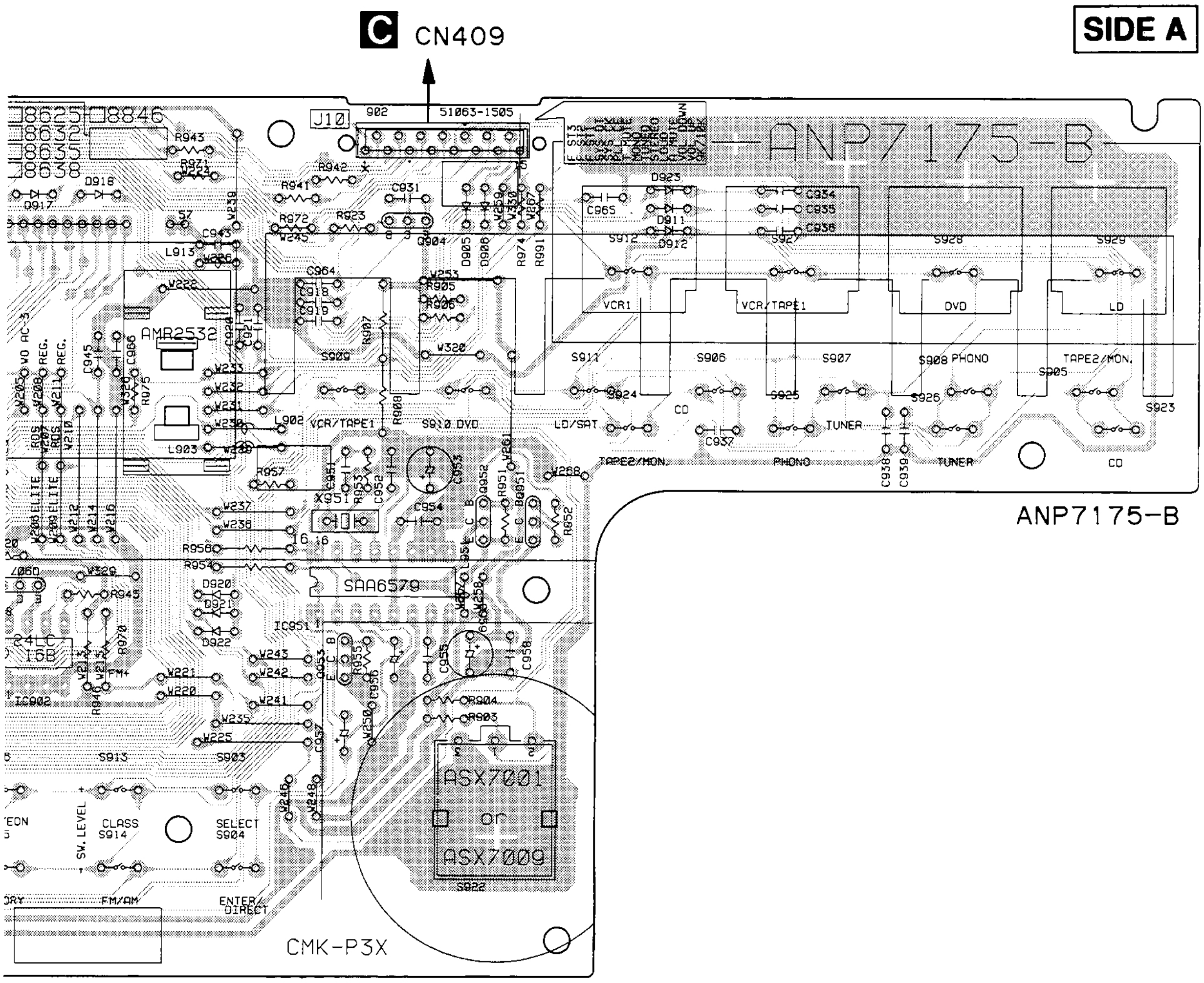

POWER SW ASSY
D981
R981
LOUDNESS
S989
SFC MODE
PROLOGIC
INPUT MODE/
5-D THEATER
LOUDNESS
S981
S987
S983
S988
S986
S990
S984
CMK-P3X
K IN3
K IN2
K IN1
KEY0
KEY0
ST SW
+5V
CN981
KP07
J11
A 906
POWER/ST
S982
W287
W285
AWZ
W286
W284
W283
W281
8501
8595
8618
8626
VIDEO
S985
ANP7175-B

F FRONT INPUT ASSY


AKB7085
12
9
6
13
14
10
11
2
8
7
5
3
1
4
CN1981
AKN7001
C1982
R1982
R1984
C1981
R1981
R1983
R1985
J15
KP03
CN1982
C1985
C1986
R1991
V218
CN1991
AWZ
8596
8502
8627
J27
KM250MA5
CN1993
W179
C1984
RS2LMF 331J
W197
RS2LMF 331J
R1992
J1991
R1994 RS1PMF681J
C1991
C1992
W198
VNF-091
1991
CMK-P3X
FRONT INPUT ASSY
R1993 RS1PMF681J
ANP7175-B
C 202

4.3 FL/U-COM ASSY

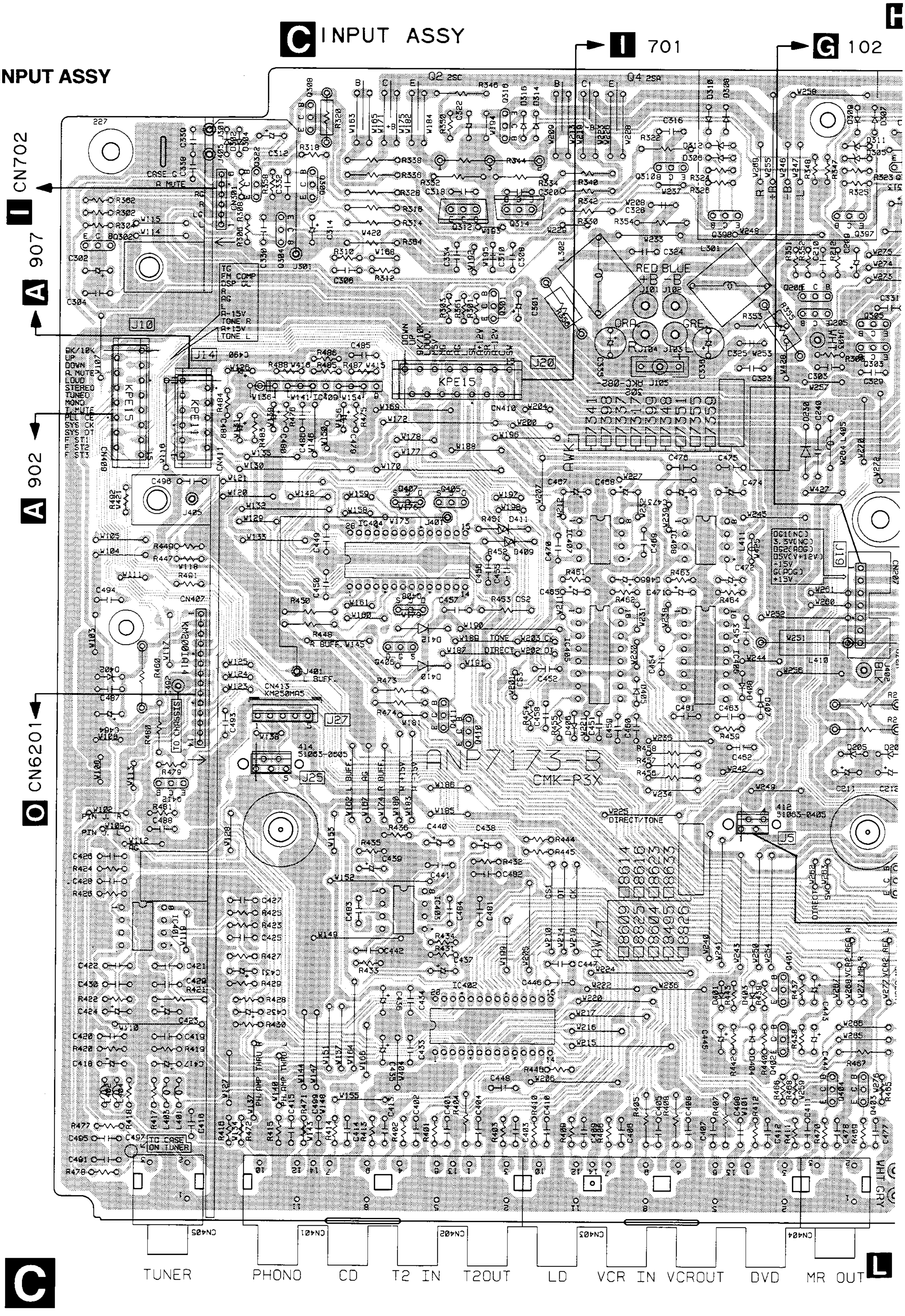

A FL/U-COM ASSY
L CN802
C CN206
H CN3003
B CN981
C CN411
FL&UCOM ASSY
VR1901
VR1902
VR1903
Q901
Q902
Q906
Q905
IC1901
IC1902
Q903
IC901
Q907
IC902


C CN409
SIDE A
J10
902
51063-1505
ANP7175-B
AMR2532
SAA6579
X951
IC951
ASX7001
or
ASX7009
S922
CMK-P3X
24LC16B
IC902
VCR1
VCR/TAPE1
DVD
LD
S911
S906
S907
S908 PHONO
TAPE2/MON.
S905
S909
S910 DVD
LD/SAT
S924
CD
S925
TUNER
S926
S923
TAPE2/MON.
PHONO
TUNER
CD
S912
S927
S928
S929
S913
S903
S914
S904
SW. LEVEL
CLASS
SELECT
FM/AM
ENTER/DIRECT
L902
L903
L913
Q904
Q951
Q952
Q953
R943
R942
R941
R972
R923
R974
R991
R957
R956
R954
R945
R904
R903
C931
C943
C964
C918
C919
C937
C938
C939
C965
C934
C935
C936
C954
C955
C958
D917
D918
D905
D906
D920
D922
D923
D911
D912

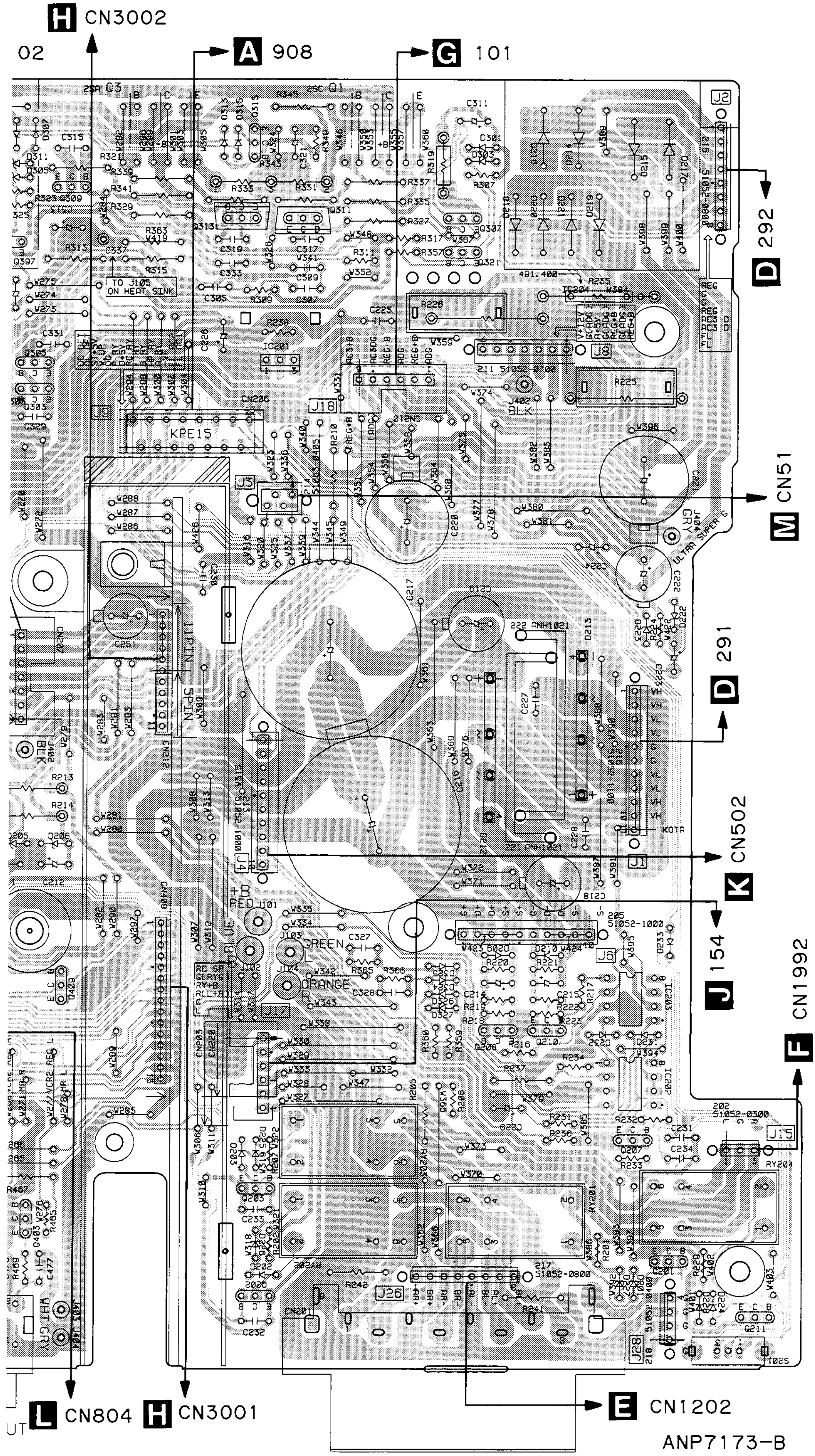
907
C902

Q904 Q952 Q951
IC951
Q953

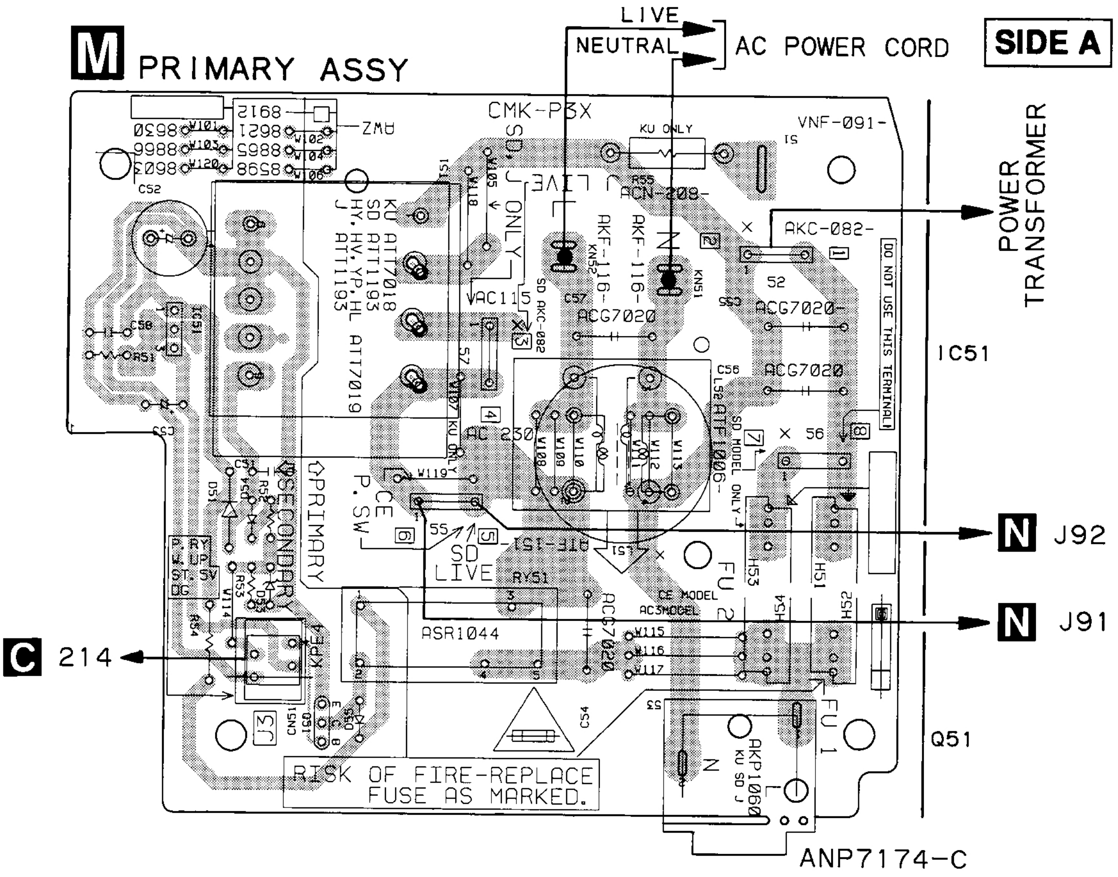
4.4 INPUT ASSY

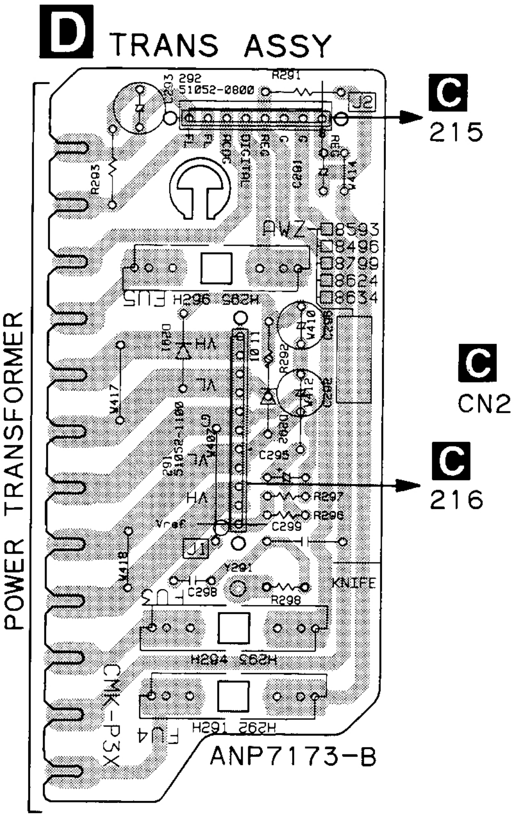

C INPUT ASSY
I 701
G 102
H
I CN702
A 907
A 902
O CN6201
TUNER
PHONO
CD
T2 IN
T2OUT
LD
VCR IN
VCROUT
DVD
MR OUT
L
ANP7173-B
CMK-P3X
KPE15
KPE11
J10
J14
J20
J19
J25
J27
J5
CN405
CN401
CN402
CN403
CN404
TO CASE ON TUNER
TO CHASSIS
DIRECT/TONE
RED BLUE
WHT GRY

SIDE A


H CN3002
02
A 908
G 101
D 292
M CN51
D 291
K CN502
J 154
F CN1992
L CN804
H CN3001
E CN1202
ANP7173-B
KPE15
11PIN
5PIN
TO J105 ON HEAT SINK
ULTRA SUPER G
RED
BLUE
GREEN
ORANGE
BLK
GRY
WHT
Q202 Q201 Q211
Q404 Q403
IC402 Q402 Q203 Q207
Q401 IC202
IC401 IC403 Q409 Q208 Q210 IC203
Q412
Q411 Q410
Q406 IC405 IC406
Q408 IC404 IC407 IC408
Q407 Q405
IC409
Q301 Q205 Q206 Q303 Q305 IC201
Q302 Q304 Q312 Q314 Q398 Q397 Q321
Q322 Q306 Q310 Q309 Q313 Q311 Q307
Q308 Q316 Q315

4.5 TRANS ASSY, REG.1 ASSY AND PRIMARY ASSY


M PRIMARY ASSY
LIVE
NEUTRAL
AC POWER CORD
SIDE A
CMK-P3X
VNF-091-
KU ONLY
ACN-208-
AKC-082-
AKF-116-
ACG7020
ATF1006-
DO NOT USE THIS TERMINAL
POWER TRANSFORMER
IC51
J92
J91
Q51
C 214
ASR1044
RY51
FU 1
FU 2
AKP1060
KPE4
PRIMARY
SECONDARY
CE P. SW
SD LIVE
KU ATT7018
SD ATT1193
HY.HV.YP.HL ATT7019
J ATT1193
RISK OF FIRE-REPLACE FUSE AS MARKED.
N J92
N J91
ANP7174-C

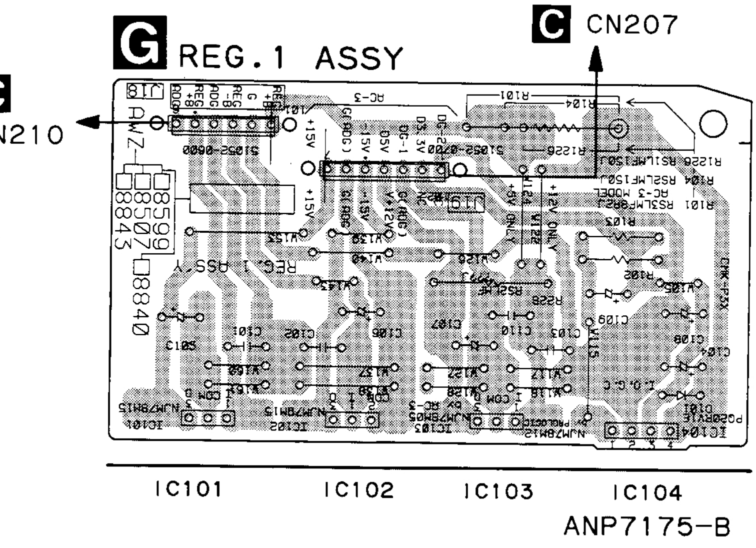

D TRANS ASSY
C 215
C 216
POWER TRANSFORMER
51052-0800
51052-1100
AWZ-
8593
8496
3799
8624
8634
FU5
FU3
FU4
KNIFE
CMK-P3X
ANP7173-B

Line Voltage Selection

Line Voltage can be changed by the following modification:

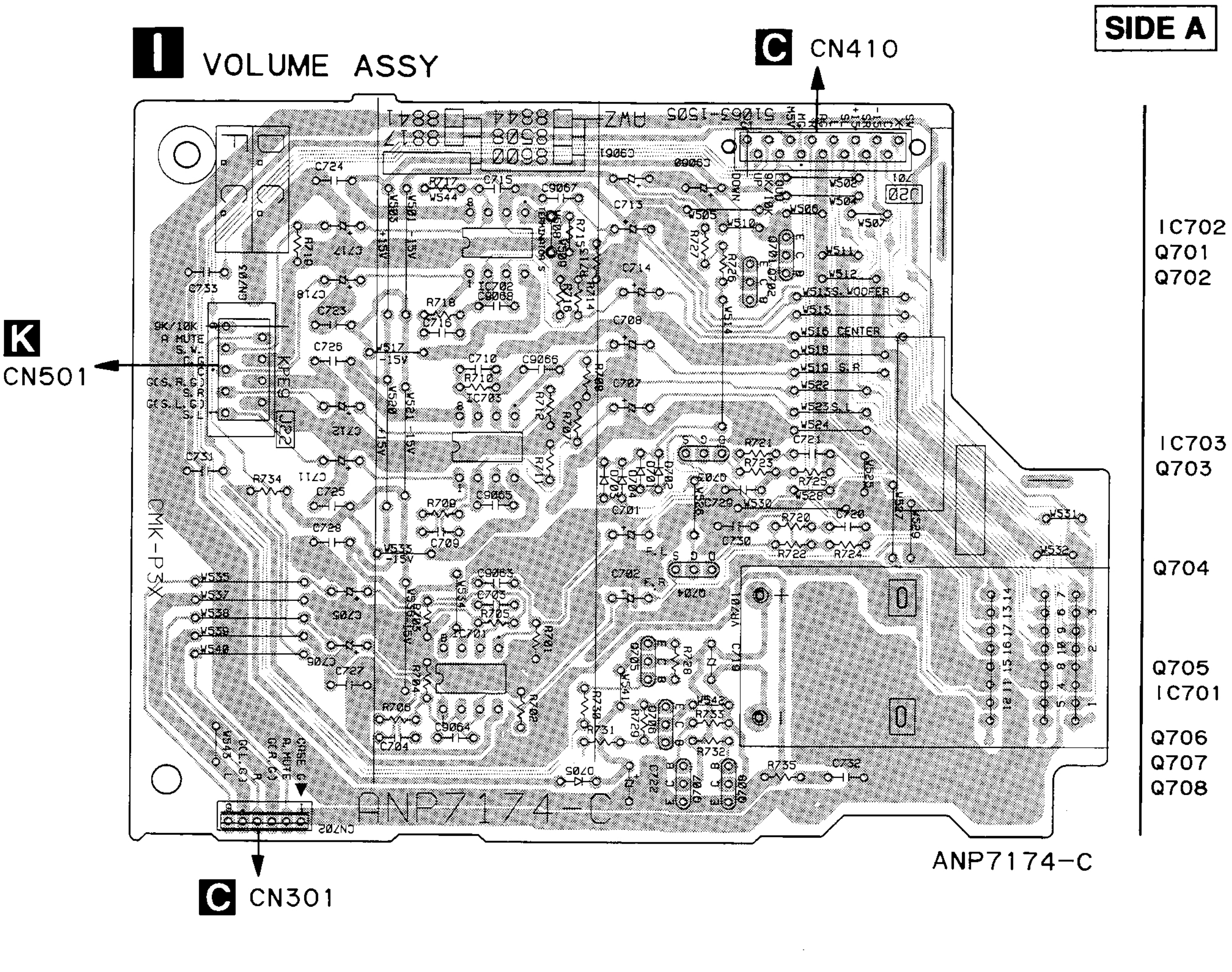
1. Disconnect the AC power cord.
2. Remove the cover.
3. Change the connection of the power transformer primary taps.
4. Stick a line voltage label on the rear panel.

Part No.	Description
AAX-193	220V label
AAX-192	240V label


G REG.1 ASSY
C CN207
C CN210
51052-0800
AWZ-
8599
8507
8843
8840
NJM78M15
NJM79M15
NJM78M05
NJM78M12
CMK-P3X
IC101
IC102
IC103
IC104
ANP7175-B

D G M

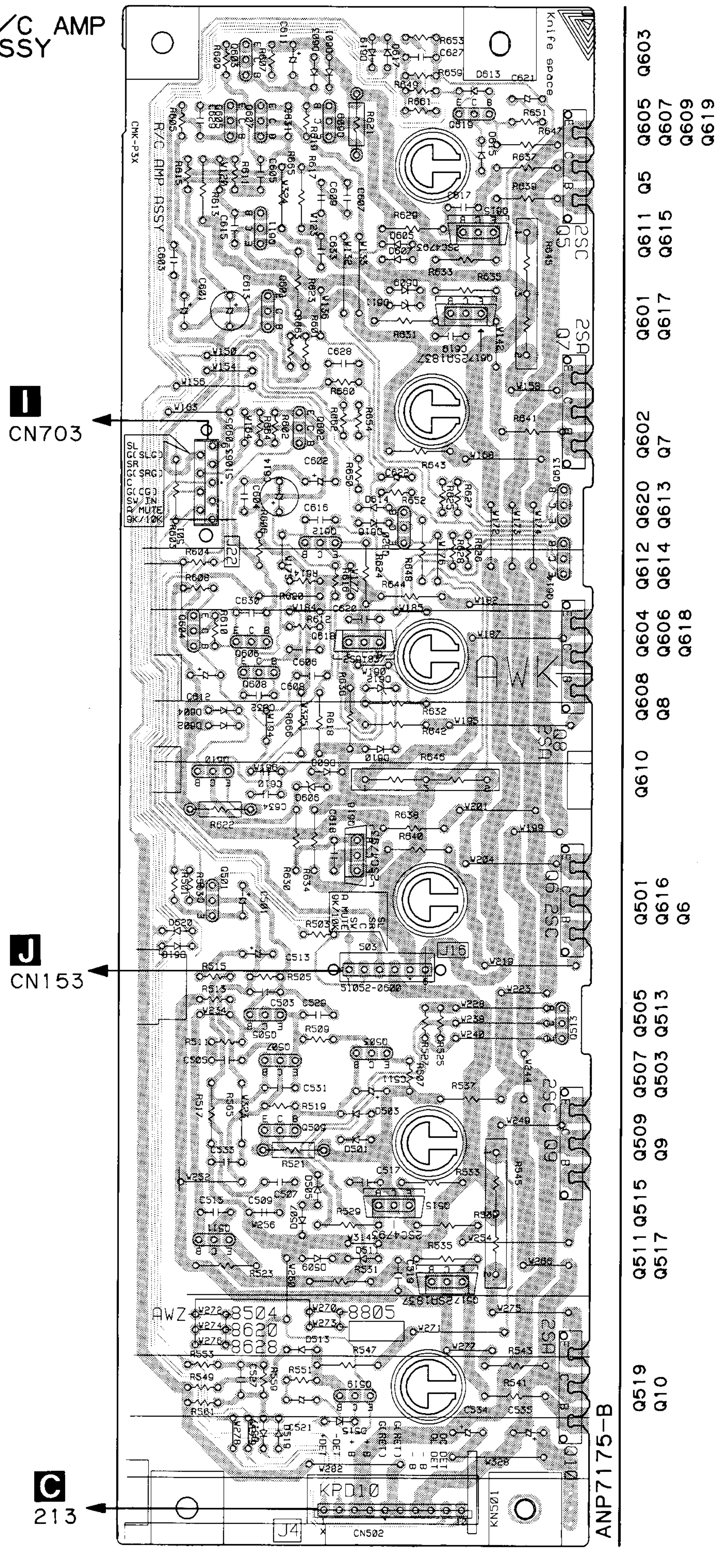
4.6 VOLUME ASSY


I VOLUME ASSY
C CN410
SIDE A
K CN501
C CN301
ANP7174-C
IC702
Q701
Q702
IC703
Q703
Q704
Q705
IC701
Q706
Q707
Q708
CMK-P3X
9K/10K
A MUTE
S.V.
C
G(S.R.G)
S.R
G(S.L.G)
S.L
W516 CENTER
W513 S.WOOFER
W519 S.R
W523 S.L
UP
DOWN
+15V
-15V
CN702
CN703

4.7 R/C AMP ASSY

K R/C AMP ASSY

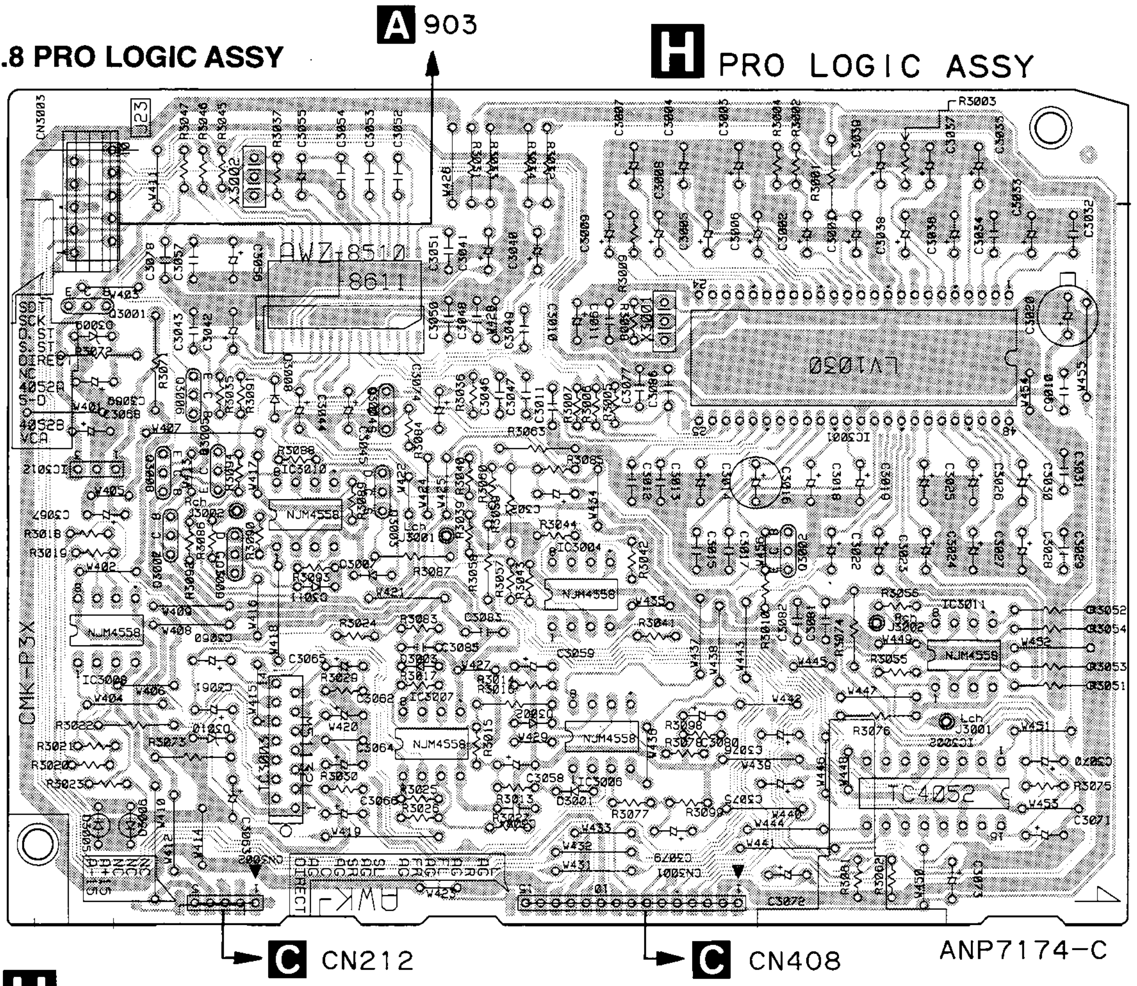
SIDE A


I
CN703
J
CN153
C
213
ANP7175-B
Q603
Q605 Q607 Q609 Q619
Q5
Q611 Q615
Q601 Q617
Q602 Q7
Q620 Q613
Q612 Q614
Q604 Q606 Q618
Q608 Q8
Q610
Q501 Q616 Q6
Q505 Q513
Q507 Q503
Q509 Q9
Q515
Q511 Q515 Q517
Q519 Q10
KPD10
CN502
KN501
J4
J16
J22
51052-0600
Knife space
R/C AMP ASSY
CMK-P3X
AWZ
AWK

4.8 PRO LOGIC ASSY

H PRO LOGIC ASSY

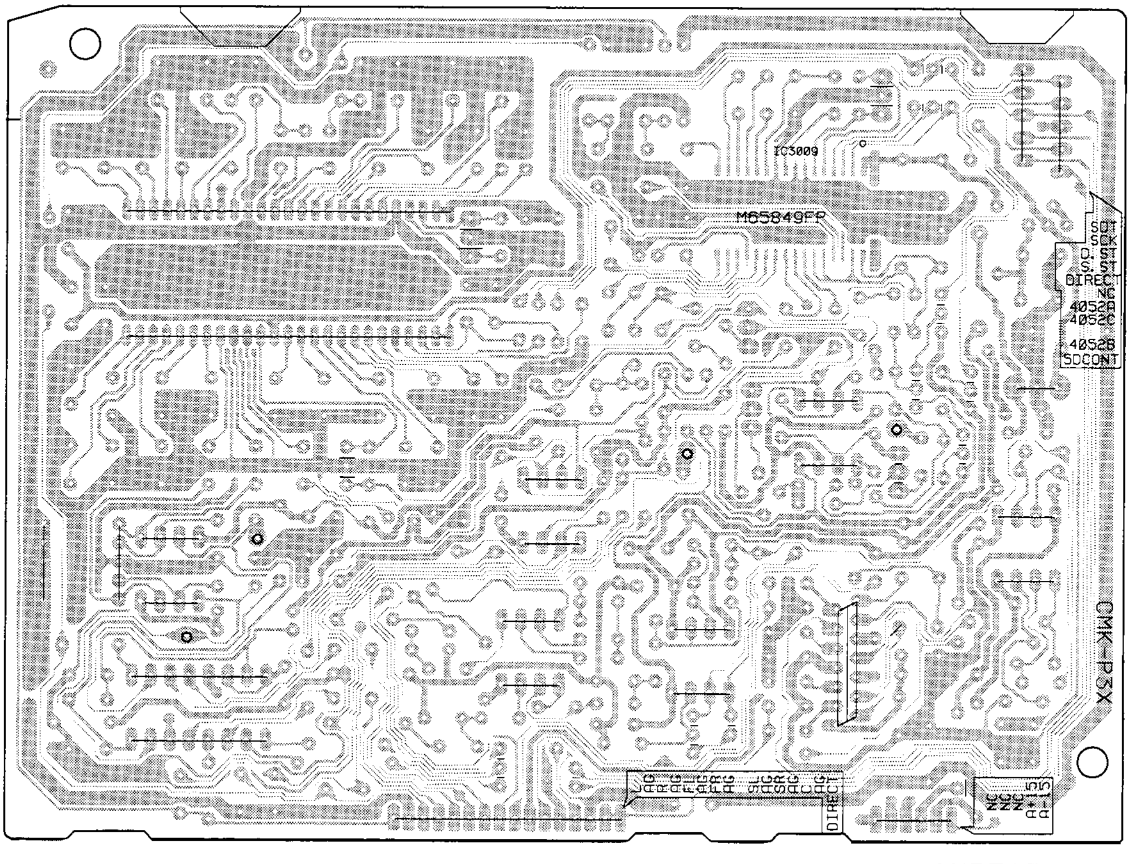
SIDE A


A 903
C CN212
C CN408
ANP7174-C
CMK-P3X
LV1030
AWZ 8510
8611
NJM4558
TC4052
SDT
SCK
D. ST
S. ST
DIRECT
NC
4052A
S-D
4052B
VCA
DIRECT
SL
SG
SR
FR
FL
AG

IC3003 IC3008 Q3007 IC3012 Q3006 Q3001
IC3007 IC3004 Q3009 Q3008 Q3004
IC3006 IC3011 Q3002 Q3005 IC3001
IC3002 IC3010 Q3003

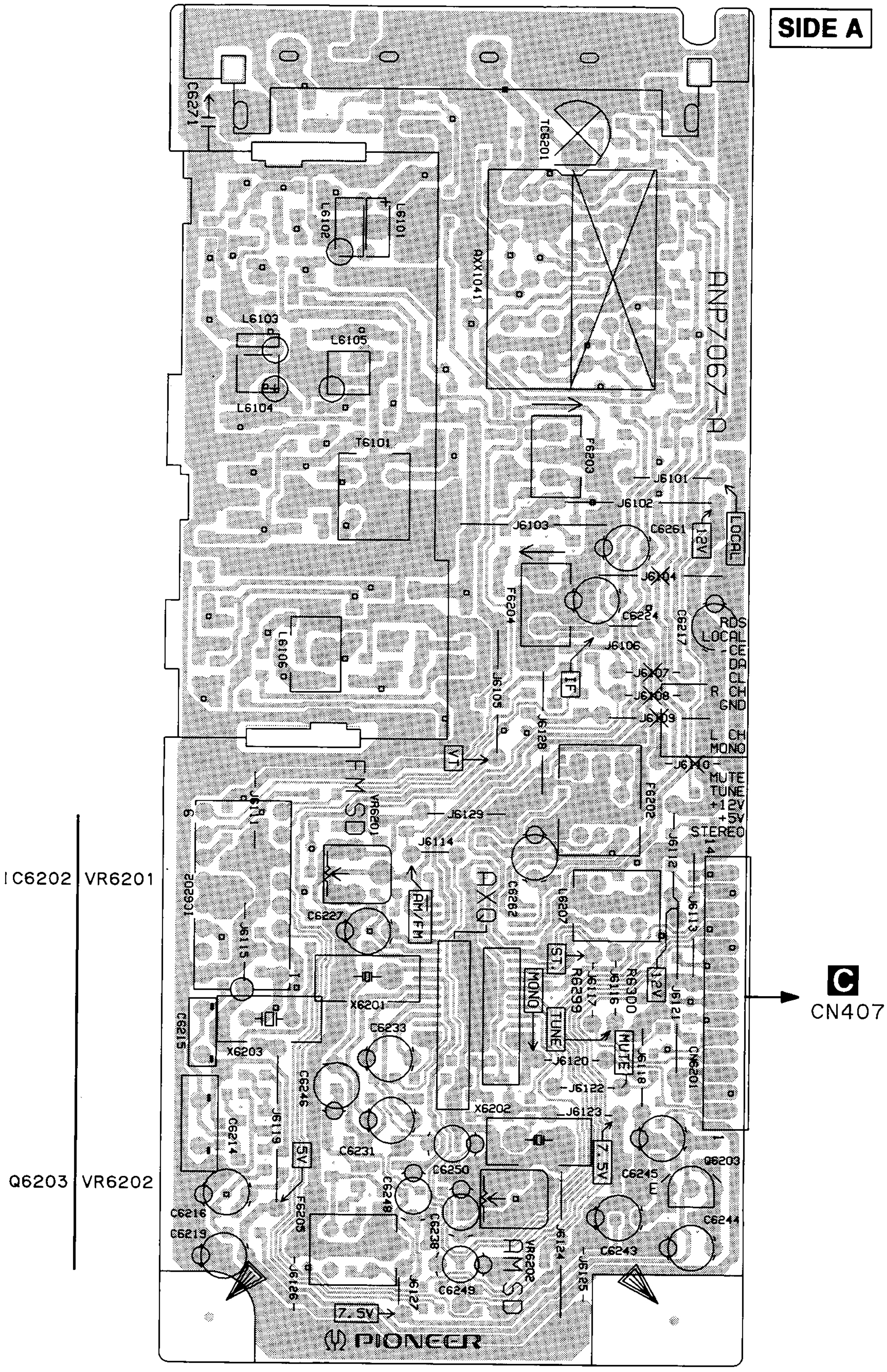
H PRO LOGIC ASSY

SIDE B

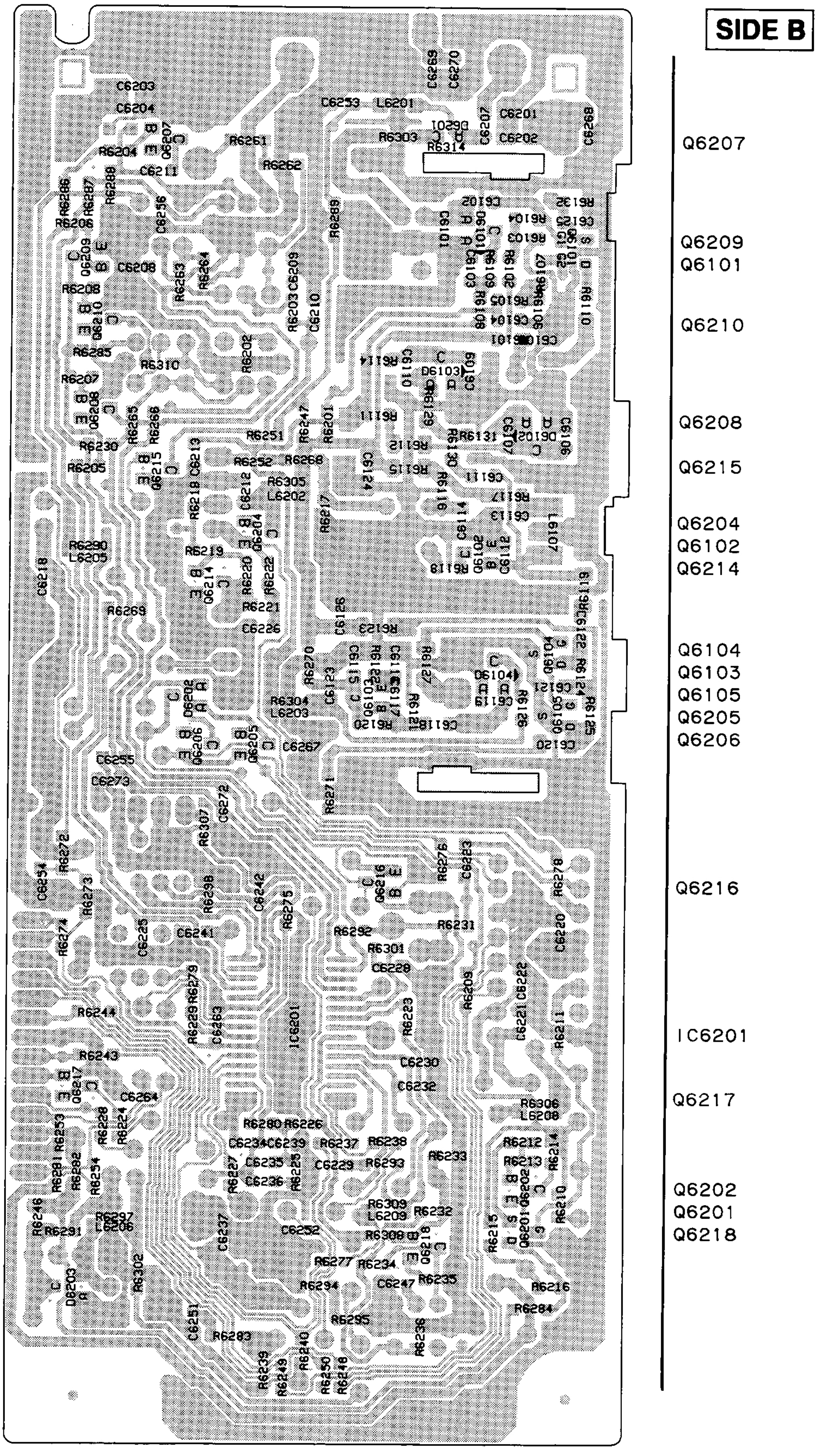

IC3009
M65849FP
SDT
SCK
D. ST
S. ST
DIRECT
NC
4052A
4052C
4052B
SDCONT
CMK-P3X
AG
RG
FL
FR
SL
SR
C
DIRECT
NC
A+15
A-15
ANP7174-C

4.9 FM/AM TUNER MODULE

O FM/AM TUNER MODULE


SIDE A
ANP7067-A
AXX1041
TC6201
C6271
L6101
L6102
L6103
L6104
L6105
T6101
L6106
F6203
F6204
J6101
J6102
J6103
J6104
J6105
J6106
J6107
J6108
J6109
J6110
J6111
J6112
J6113
J6114
J6115
J6116
J6117
J6118
J6119
J6120
J6121
J6122
J6123
J6124
J6125
J6126
J6127
J6128
J6129
C6261
C6224
C6217
12V
LOCAL
IF
VT
RDS
LOCAL
CE
DA
CL
R CH
GND
L CH
MONO
MUTE
TUNE
+12V
+5V
STEREO
14
FM SD
VR6201
IC6202
C6262
F6202
AXQ
AM/FM
C6227
L6207
ST.
MONO
TUNE
MUTE
R6299
R6300
12V
X6201
X6203
C6215
C6233
C6246
C6214
C6231
X6202
C6250
5V
7.5V
C6245
Q6203
E
C6216
C6213
F6205
C6248
C6238
VR6202
AM SD
C6244
C6243
C6249
7.5V
CN6201
IC6202
VR6201
Q6203
VR6202
C
CN407
PIONEER

O FM/AM TUNER MODULE

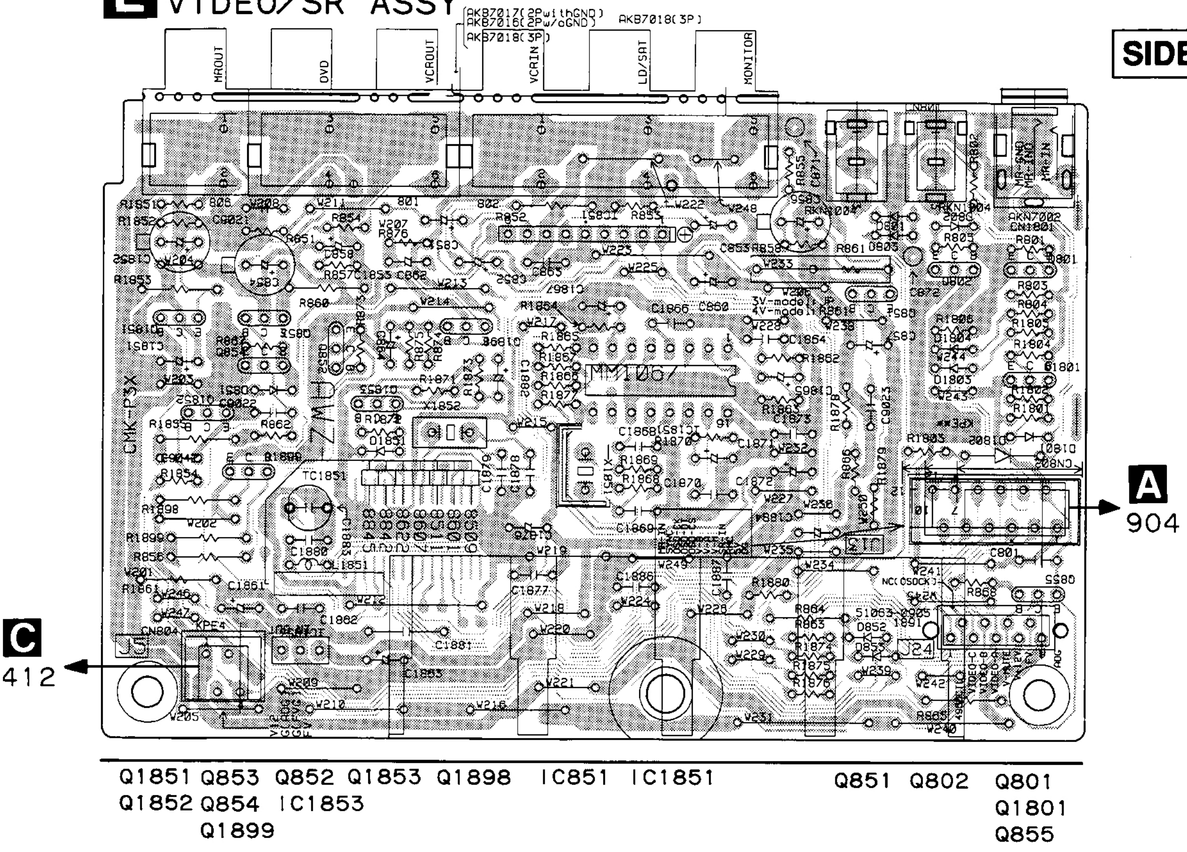

SIDE B
Q6207
Q6209
Q6101
Q6210
Q6208
Q6215
Q6204
Q6102
Q6214
Q6104
Q6103
Q6105
Q6205
Q6206
Q6216
IC6201
Q6217
Q6202
Q6201
Q6218
C6203
C6204
C6253
L6201
C6269
C6270
C6201
C6202
C6207
C6268
R6303
R6314
R6261
R6262
R6204
C6211
C6256
R6206
C6208
R6208
R6285
R6310
R6207
R6230
R6205
R6251
R6252
R6268
R6305
L6202
R6290
L6205
C6218
R6219
R6269
R6221
C6226
R6304
L6203
C6267
C6255
C6273
R6271
R6272
C6254
R6273
R6274
C6225
C6241
R6298
R6307
C6272
C6242
R6275
R6292
R6301
C6228
R6231
R6276
C6283
R6278
C6220
R6244
R6243
C6264
C6263
IC6201
R6223
R6209
C6221
C6222
R6211
C6230
C6232
R6306
L6208
R6280
R6226
C6234
C6239
R6237
R6238
C6235
C6229
R6293
R6233
R6212
R6213
R6214
C6236
R6309
L6209
R6232
R6210
R6246
R6291
R6297
L6206
C6237
C6252
R6308
R6215
D6203
R6302
R6277
R6234
R6294
C6247
R6235
R6216
R6284
R6295
C6251
R6283
R6236
R6239
R6249
R6240
R6250
R6248

ANP7067-A

4.10 VIDEO/SR ASSY

L VIDEO/SR ASSY

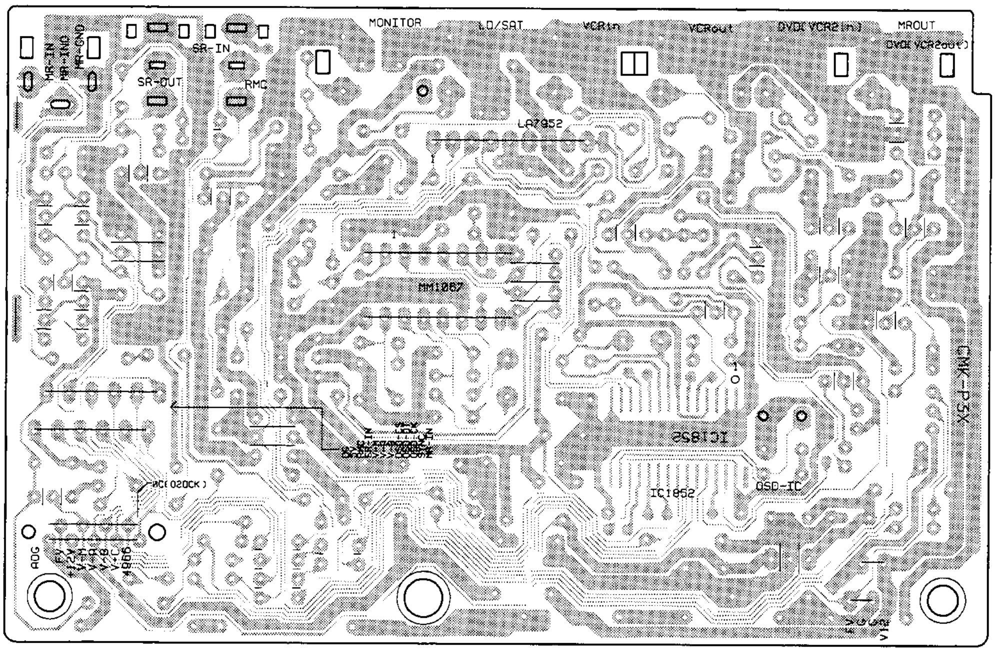
SIDE A


AKB7017(2PwithGND)
AKB7016(2Pw/oGND)
AKB7018(3P)
AKB7018(3P)
MROUT
DVD
VCROUT
VCRIN
LD/SAT
MONITOR
MR-GND
MR-IN
MM1067
CMK-P3X
TC1851
X1852
CN801
CN804
J51
A
904
C
412
Q1851 Q853 Q852 Q1853 Q1898 IC851 IC1851
Q1852 Q854 IC1853
Q1899
Q851 Q802 Q801
Q1801
Q855

ANP7174-C

L VIDEO/SR ASSY

SIDE B


MR-IN
MR-IN0
MR-GND
SR-IN
SR-OUT
RMC
MONITOR
LD/SAT
VCRin
VCRout
DVD(VCR2in)
MROUT
DVD(VCR2out)
LA7952
MM1067
IC1852
IC1852
OSD-IC
CMK-P5X
NC(OSOCK)
ROG

ANP7174-C

5. PCB PARTS LIST

NOTES:

- *Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.*
- *The ⚠ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.*
- *When ordering resistors, first convert resistance values into code form as shown in the following examples.*

Ex.1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

560Ω → 56×10^1 → 561 .... RD1/4PU$\boxed{5}\boxed{6}\boxed{1}$J
47kΩ → 47×10^3 → 473 .... RD1/4PU$\boxed{4}\boxed{7}\boxed{3}$J
0.5Ω → R50 .... RN2H$\boxed{R}\boxed{5}\boxed{0}$K
1Ω → 1R0 .... RS1P$\boxed{1}\boxed{R}\boxed{0}$K

Ex.2 When there are 3 effective digits (such as in high precision metal film resistors).

5.62kΩ → 562×10^1 → 5621 .... RN1/4PC$\boxed{5}\boxed{6}\boxed{2}\boxed{1}$F

LIST OF ASSEMBLIES

Mark	No. Description	Parts No.
NSP	MOTHER ASSY	AWK7355
	├ INPUT ASSY	AWZ8623
	└ TRANS ASSY	AWZ8624
NSP	FRONT & R/C AMP ASSY	AWK7356
NSP	├ MECHA SW ASSY	AWZ8503
	├ FL/U – COM ASSY	AWZ8625
NSP	├ POWER SWITCH ASSY	AWZ8626
NSP	├ FRONT INPUT ASSY	AWZ8627
	├ R/C AMP ASSY	AWZ8628
	├ R/C SPEAKER ASSY	AWZ8629
	└ REG.1 ASSY	AWZ8843
NSP	COMPLEX ASSY	AWK7357
	├ PRO LOGIC ASSY	AWZ8510
NSP	├ PRIMARY ASSY	AWZ8630
NSP	├ FRONT SP ASSY	AWZ8631
	├ VOLUME ASSY	AWZ8844
	└ VIDEO/SR ASSY	AWZ8845
	FM/AM TUNER MODULE	AXQ7041

C INPUT ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC201	REGULATOR IC	NJM78M56FA
	IC401	OP – AMP – IC	M5220P
	IC402	ANALOG SWITCH IC	TC9273N – 007
	IC403	OP – AMP IC	NJM4558D – D
	IC409	OP – AMP IC	UPC4570HA
	Q201 – Q203	TRANSISTOR	KRC101M
	Q205, Q206	TRANSISTOR	2SC1740S
	Q211	TRANSISTOR	KRC101M
	Q301, Q302	TRANSISTOR	2SC2878
	Q303 – Q306	TRANSISTOR	2SA992
⚠	Q307, Q308	TRANSISTOR	2SA1321
⚠	Q309, Q310	TRANSISTOR	2SC3334
⚠	Q311, Q312	TRANSISTOR	2SC4793
⚠	Q313, Q314	TRANSISTOR	2SA1837
	Q315, Q316	TRANSISTOR	2SC2240
	Q321, Q322	TRANSISTOR	2SA970
	Q397, Q398	TRANSISTOR	2SC1740S
	Q405 – Q408	N – FET	2SK246
	Q409	TRANSISTOR	KRA103M
	Q410 – Q411	TRANSISTOR	KRC103M
	Q412	TRANSISTOR	2SC2668
	D201 – D203	DIODE	1SS252
	D212, D213	BRIDGE DIODE	D15XB20
	D214 – D217	DIODE	S5688G
	D222	ZENER DIODE	MTZJ4.3C
	D224 – D228	DIODE	1SS252
	D230	DIODE	1SS252
	D301 – D304	DIODE	1SS252
	D305, D306	ZENER DIODE	MTZJ12B
	D307 – D310	DIODE	1SS252
	D311, D312	ZENER DIODE	MTZJ12B
	D313 – D316	DIODE	1SS252
	D402	ZENER DIODE	MTZJ5.1B
	D409 – D412	DIODE	1SS252

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L301, L302	COIL (53μH)	ATH1009
	L401 – L404	AXIAL INDUCTOR	LAU221J
	L410, L411	AXIAL INDUCTOR	LAU100J

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	RY201 – RY204	RELAY	ASR7010

CAPACITORS

Mark	No.	Description	Parts No.
	C209	ELECT. CAPACITOR	CEAS221M10
	C210	CERAMIC CAPACITOR	CKCYB102K50
	C216	ELECT. CAPACITOR (10000μF/56V)	ACH7014
	C217	ELECT. CAPACITOR (10000μF/56V)	ACH7020
	C221	ELECT. CAPACITOR	CEAS222M35
	C222	ELECT. CAPACITOR	CEAS102M35
	C223	ELECT. CAPACITOR	CEAS470M16
	C224	ELECT. CAPACITOR	CEAS470M35
	C225	CERAMIC CAPACITOR	CKCYF103Z50
	C226	ELECT. CAPACITOR	CEAS101M10
	C230	CERAMIC CAPACITOR	CGCYX103M16
	C240	CERAMIC CAPACITOR	CKPUYF103Z25
	C301, C302	ELECT. CAPACITOR	CEAS2R2M50
	C303, C304	CERAMIC CAPACITOR	CCCSL151J50

Mark	No.	Description	Parts No.
	C305, C306	CERAMIC CAPACITOR	CKCYB102K2H
	C307 – C310	CERAMIC CAPACITOR	CCCSL220K2H
	C311, C312	ELECT. CAPACITOR	CEAS101M10
	C313, C314	ELECT. CAPACITOR	CEAS101M25
	C315, C316	CERAMIC CAPACITOR	CCCSL5R0C2H
	C317 – C320	CERAMIC CAPACITOR	CCCSL101K2H
	C321, C322	ELECT. CAPACITOR	CEANP2R2M50
	C323 – C326	AUDIO FILM CAPACITOR	CFTXA104J50
	C329 – C332	CERAMIC CAPACITOR	CCCSL101J50
	C333, C334	CERAMIC CAPACITOR	CCCSL471J50
	C335, C336	ELECT. CAPACITOR	CEAS4R7M2A
	C337	CERAMIC CAPACITOR	CGDYX104M16
	C339	CERAMIC CAPACITOR	CGCYX104M16
	C401, C402	CERAMIC CAPACITOR	CCCSL101J50
	C403, C404	CERAMIC CAPACITOR	CCCSL471J50
	C405, C406	CERAMIC CAPACITOR	CCCSL101J50
	C407, C408	CERAMIC CAPACITOR	CCCSL221J50
	C409 – C416	CERAMIC CAPACITOR	CCCSL101J50
	C417, C418	ELECT. CAPACITOR	CEAS100M50
	C419, C420	CERAMIC CAPACITOR	CCCCH151J50
	C421, C422	CERAMIC CAPACITOR	CKCYB681K50
	C423, C424	ELECT. CAPACITOR	CEAS101M25
	C425, C426	MYLAR FILM CAPACITOR	CQMA822J50
	C427, C428	MYLAR FILM CAPACITOR	CQMA242J50
	C429, C430	CERAMIC CAPACITOR	CGCYX473M25
	C431, C432	ELECT. CAPACITOR	CEAS4R7M50
	C433, C434	CERAMIC CAPACITOR	CGCYX473M25
	C435, C436	ELECT. CAPACITOR	CEAS470M25
	C437, C438	ELECT. CAPACITOR	CEAS2R2M50
	C439, C440	ELECT. CAPACITOR	CEAS470M25
	C441, C442	CERAMIC CAPACITOR	CGCYX473M25
	C446 – C448	CERAMIC CAPACITOR	CCCSL101J50
	C464	ELECT. CAPACITOR	CEAS470M25
	C479, C480	ELECT. CAPACITOR	CEAS4R7M50
	C481, C482	CERAMIC CAPACITOR	CCCSL101J50
	C483, C484	CERAMIC CAPACITOR	CCCSL331J50
	C485, C486	CERAMIC CAPACITOR	CKCYF103Z50
	C487	CERAMIC CAPACITOR	CGCYX473M25
	C488	CERAMIC CAPACITOR	CGCYX103M16
	C489, C490	ELECT. CAPACITOR	CEAS4R7M50
	C491	CERAMIC CAPACITOR	CGCYX103M16
	C492	CERAMIC CAPACITOR	CCDSL271J50
	C493	CERAMIC CAPACITOR	CKPUYX472M16
	C494, C495	CERAMIC CAPACITOR	CGCYX104M12
	C496	CERAMIC CAPACITOR	CGDYX103M16
	C497	CERAMIC CAPACITOR	CGDYX223M16

RESISTORS

Mark	No.	Description	Parts No.
	R210	CARBON FILM RESISTOR	RD1/2PM270J
	R241, R242	CARBON FILM RESISTOR	RD1/4PMF103J
⚠	R319, R320	CARBON FILM RESISTOR	RD1/4PMF680J
⚠	R321, R322	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R327 – R334	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R335, R336	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R337 – R340	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R341, R342	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R343, R344	RESISTOR (0.33Ω, 5W)	ACN – 139
⚠	R345, R346	CARBON FILM RESISTOR	RD1/4PMF472J
⚠	R353, R354	CARBON FILM RESISTOR	RD1/4PMF100J
	R355, R356	METAL OXIDE RESISTOR	RS1LMF4R7J
	R460	METAL OXIDE RESISTOR	RS1PMF181J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	202	CABLE HOLDER(3P)	51052 – 0300
	213	CABLE HOLDER(10P)	51052 – 1000
	214	CABLE HOLDER(4P)	51063 – 0405
	215	CABLE HOLDER(8P)	51052 – 0800
	216	CABLE HOLDER(11P)	51052 – 1100
	217	CABLE HOLDER(8P)	51052 – 0800
	221, 222	HEAT SINK B	ANH1021
	223	HEAT SINK	ANH – 309
	224 – 226	SCREW	BBZ30P080FZK
	227	GROUND PLATE	VNF – 091
	412	CABLE HOLDER(4P)	51063 – 0405
	CN206	CONNECTOR(15P)	KPE15
	CN212	5P PLUG	KM200TA5
	CN301	KR CONNECTOR	B6B – PH – K – S
	CN407	14P PLUG	KM200IA14
	CN408	15P PLUG	KM200TA15
	CN409, CN410	CONNECTOR(15P)	KPE15
	CN411	CONNECTOR(11P)	KPE11
	JA401 – JA404	PIN JACK(4P)	AKB7044

D TRANS ASSY

CAPACITORS

Mark	No.	Description	Parts No.
	C291 – C293	ELECT. CAPACITOR (1μF/100V)	ACH1237
	C298, C299	CERAMIC CAPACITOR	CGCYX103M16

RESISTORS

Mark	No.	Description	Parts No.
	R291 – R293	FUSLIBLE RESISTOR	RF1/4PS4R7J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	291	CABLE HOLDER(11P)	51052 – 1100
	292	CABLE HOLDER(8P)	51052 – 0800
	H291 – H294	FUSE CLIP	AKR1004

N MECHA SW ASSY

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
⚠	S91	PUSH SWITCH	ASG1035

CAPACITORS

Mark	No.	Description	Parts No.
⚠	C91	CKA (3300pF/AC250V)	ACG7017

OTHERS

Mark	No.	Description	Parts No.
	J91	LEAD WIRE UNIT	DB640EB0
	J92	LEAD WIRE UNIT	DB940EB0

A FL/U-COM ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC901	CONTROL MCU	PDG203A
	IC951	RDS DET IC	SAA6579
	IC1901	IC	UPC4570C
	IC1902	OP – AMP IC	NJM4558D – D
	Q901	TRANSISTOR	KRC101M

Mark	No.	Description	Parts No.
	Q902	TRANSISTOR	KRC103M
	Q903	TRANSISTOR	KRC101M
	Q904	TRANSISTOR	2SA933S
	Q905, Q906	TRANSISTOR	2SC1740S
	Q951	TRANSISTOR	KRC101M
	Q952	TRANSISTOR	2SA1115
	Q953	TRANSISTOR	2SC1740S
	D901 – D912	DIODE	1SS252
	D914 – D918	DIODE	1SS252
	D923, D924	DIODE	1SS252

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L901	AXIAL INDUCTOR	LAU2R2J
	L902, L903	AXIAL INDUCTOR	LAU100J
	L951, L961	AXIAL INDUCTOR	LAU2R2J

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	S903 – S911	SWITCH	ASG1034
	S913 – S921	SWITCH	ASG1034
	S922	ROTARY ENCODER	ASX7001

CAPACITORS

Mark	No.	Description	Parts No.
	C901	CERAMIC CAPACITOR	CKPUYY103M16
	C902	CAPACITOR (0.22F)	ACH7058
	C903	ELECT. CAPACITOR	CEAS221M10
	C904	CERAMIC CAPACITOR	CKPUYY103M16
	C905, C906	CERAMIC CAPACITOR	CKPUYF473Z16
	C907	ELECT. CAPACITOR	CEAS2R2M50
	C908	CERAMIC CAPACITOR	CGCYX104M16
	C909	ELECT. CAPACITOR	CEAS2R2M50
	C910	AXIAL CAPACITOR	CKPYF103Z50
	C911	ELECT. CAPACITOR	CEAS101M35
	C912, C913	ELECT. CAPACITOR	CEAS470M25
	C914	CERAMIC CAPACITOR	CKCYF103Z50
	C917, C918	CERAMIC CAPACITOR	CKPUYY103M16
	C919	CERAMIC CAPACITOR	CKPUYB102K50
	C932, C933	AXIAL CAPACITOR	CCPUSL220J50
	C934 – C939	AXIAL CAPACITOR	CKPUYB101K50
	C940	ELECT. CAPACITOR	CEAS470M16
	C941, C942	AXIAL CAPACITOR	CKPUYB101K50
	C945	CERAMIC CAPACITOR	CKPUYY103M16
	C951	CERAMIC CAPACITOR	CCCCH820J50
	C952	CERAMIC CAPACITOR	CCCCH470J50
	C953	ELECT. CAPACITOR	CEAS101M10
	C954	CERAMIC CAPACITOR	CGCYX103M16
	C955	CERAMIC CAPACITOR	CKCYB561K50
	C956	ELECT. CAPACITOR	CEAS2R2M50
	C957	ELECT. CAPACITOR	CEAS1R0M50
	C958	CERAMIC CAPACITOR	CGCYX103M16
	C959	ELECT. CAPACITOR	CEAS101M10
	C961 – C964	CERAMIC CAPACITOR	CKPUYY103M16
	C1903, C1904	AUDIO FILM CAPACITOR	CFTXA473J50
	C1905, C1906	AUDIO FILM CAPACITOR	CFTXA274J50
	C1907, C1908	AUDIO FILM CAPACITOR	CFTXA123J50
	C1909, C1910	AUDIO FILM CAPACITOR	CFTXA563J50
	C1911, C1912	ELECT. CAPACITOR	CEAS100M50
	C1915 – C1918	ELECT. CAPACITOR	CEAS100M50
	C1919, C1920	CERAMIC CAPACITOR	CGCYX103M16
	C1921, C1922	ELECT. CAPACITOR	CEAS2R2M50

RESISTORS

Mark	No.	Description	Parts No.
	R919	RESISTOR ARRAY (10kΩ)	RA8T103J
	VR1901, VR1902	VARIABLE RESISTOR (30kΩ – 20AX2)	ACS7020
	VR1903	VARIABLE(500kΩ – BX1)	ACS1016
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	901	REMOTE RECEIVER UNIT	GP1U28X
	902	CABLE HOLDER(15P)	51063 – 1505
	903	CABLE HOLDER(10P)	51063 – 1005
	904	CABLE HOLDER(12P)	51063 – 1205
	906	CABLE HOLDER(7P)	51063 – 0705
	907	CABLE HOLDER(11P)	51063 – 1105
	908	CABLE HOLDER(15P)	51063 – 1505
	911	SHIELD PLATE	ANK7030
	X901	CERAMIC RESONATOR (7.70MHz)	ASS1055
	X951	CRYSTAL RESONATOR	ASS7004
	V901	FL TUBE	AAV7035

B POWER SWITCH ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	D981	LED(RED)	AEL1065

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	S981, S983	SWITCH	ASG1034
	S984, S986	SWITCH	ASG1034

RESISTORS

Mark	No.	Description	Parts No.
		All Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN981	CONNECTOR(7P)	KPE7

F FRONT INPUT ASSY

CAPACITORS

Mark	No.	Description	Parts No.
	C1991, C1992	CERAMIC CAPACITOR	CKCYB392K50

RESISTORS

Mark	No.	Description	Parts No.
	R1991, R1992	METAL OXIDE RESISTOR	RS2LMF331J
	R1993, R1994	METAL OXIDE RESISTOR	RS1PMF681J

OTHERS

Mark	No.	Description	Parts No.
	1991	GROUND PLATE	VNF – 091
	CN1991	JACK	AKN7001

K R/C AMP ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q501	TRANSISTOR	2SC2878
	Q503	TRANSISTOR	2SA970
	Q505, Q507	TRANSISTOR	2SA992
	Q509	TRANSISTOR	2SA1321
	Q511	TRANSISTOR	2SC3334
⚠	Q513	TRANSISTOR	2SC1740S
⚠	Q515	TRANSISTOR	2SC4793
⚠	Q517	TRANSISTOR	2SA1837
	Q519	TRANSISTOR	2SC2240
	Q601, Q602	TRANSISTOR	2SC2878

Mark	No.	Description	Parts No.
	Q603, Q604	TRANSISTOR	2SA970
	Q605 – Q608	TRANSISTOR	2SA992
	Q609, Q610	TRANSISTOR	2SA1321
	Q611, Q612	TRANSISTOR	2SC3334
⚠	Q613, Q614	TRANSISTOR	2SC1740S
⚠	Q615, Q616	TRANSISTOR	2SC4793
⚠	Q617, Q618	TRANSISTOR	2SA1837
	Q619, Q620	TRANSISTOR	2SC2240
	D501, D503	DIODE	1SS252
	D505	ZENER DIODE	MTZJ12B
	D507, D509	DIODE	1SS252
	D511	ZENER DIODE	MTZJ12B
	D513, D515	DIODE	1SS252
	D601 – D604	DIODE	1SS252
	D605, D606	ZENER DIODE	MTZJ12B
	D607 – D610	DIODE	1SS252
	D611, D612	ZENER DIODE	MTZJ12B
	D613 – D616	DIODE	1SS252

CAPACITORS

Mark	No.	Description	Parts No.
	C501	ELECT. CAPACITOR	CEAS2R2M50
	C503	CERAMIC CAPACITOR	CCCSL151J50
	C505	CERAMIC CAPACITOR	CKCYB102K2H
	C507, C509	CERAMIC CAPACITOR	CCCSL270K2H
	C511	ELECT. CAPACITOR	CEAS101M10
	C513	ELECT. CAPACITOR	CEAS101M25
	C515	CERAMIC CAPACITOR	CCCSL5R0C2H
	C517, C519	CERAMIC CAPACITOR	CCCSL101K2H
	C521	ELECT. CAPACITOR	CEANP2R2M50
	C529, C531	CERAMIC CAPACITOR	CCCSL101J50
	C533	CERAMIC CAPACITOR	CCCSL471J50
	C534, C535	ELECT. CAPACITOR	CEAS4R7M2A
	C601, C602	ELECT. CAPACITOR	CEAS2R2M50
	C603, C604	CERAMIC CAPACITOR	CCCSL151J50
	C605, C606	CERAMIC CAPACITOR	CKCYB102K2H
	C607 – C610	CERAMIC CAPACITOR	CCCSL270K2H
	C611, C612	ELECT. CAPACITOR	CEAS101M10
	C613, C614	ELECT. CAPACITOR	CEAS101M25
	C615, C616	CERAMIC CAPACITOR	CCCSL5R0C2H
	C617 – C620	CERAMIC CAPACITOR	CCCSL101K2H
	C621, C622	ELECT. CAPACITOR	CEANP2R2M50
	C629 – C632	CERAMIC CAPACITOR	CCCSL101J50
	C633, C634	CERAMIC CAPACITOR	CCCSL471J50

RESISTORS

Mark	No.	Description	Parts No.
⚠	R521	CARBON FILM RESISTOR	RD1/4PMF680J
⚠	R523	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R529, R531	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R533, R535	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R537	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R539, R541	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R543	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R545	RESISTOR (0.22Ω×2, 5W)	ACN7026
⚠	R547	CARBON FILM RESISTOR	RD1/4PMF472J
⚠	R607	CARBON FILM RESISTOR	RD1/4PU431J
⚠	R621, R622	CARBON FILM RESISTOR	RD1/4PMF680J
⚠	R623, R624	FUSLIBLE RESISTOR	RF1/4PS101J
⚠	R629 – R636	CARBON FILM RESISTOR	RD1/4PMF101J
⚠	R637, R638	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R639 – R642	FUSLIBLE RESISTOR	RF1/4PS4R7J
⚠	R643, R644	FUSIBLE RESISTOR	RF1/4PS8R2J
⚠	R645, R646	RESISTOR (0.22Ω×2, 5W)	ACN7026
⚠	R647, R648	CARBON FILM RESISTOR	RD1/4PMF472J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	501	CABLE HOLDER(9P)	51063 – 0905
	503	CABLE HOLDER(6P)	51052 – 0600
	KN501	GROUND PLATE	VNF1084

J R/C SPEAKER ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	Q151	TRANSISTOR	2SC1740S
	Q163	TRANSISTOR	2SC2878
	D151 – D154	DIODE	1SS252

COILS AND FILTERS

Mark	No.	Description	Parts No.
	L151 – L153	COIL (1μH)	ATH – 133
	L154 – L156	COIL (0.7μH)	ATH1004

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
	RY151, RY152	RELAY	ASR7010

CAPACITORS

Mark	No.	Description	Parts No.
	C151 – C153	POLYESTER CAPACITOR	CQMXA473J2A
	C154	CERAMIC CAPACITOR	CCCSL101J50
	C155	CERAMIC CAPACITOR	CKCYB472K50
	C156	CERAMIC CAPACITOR	CKDYF103Z50
	C160	CERAMIC CAPACITOR	CGCYX473M16
	C161 – C166	AUDIO FILM CAPACITOR	CFTXA104J50
	C167	CERAMIC CAPACITOR	CGCYX473M16

RESISTORS

Mark	No.	Description	Parts No.
	R183 – R185	CARBON FILM RESISTOR	RD1/4PMF100J
	R186 – R188	METAL OXIDE RESISTOR	RS1LMF4R7J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	154	CABLE HOLDER(4P)	51052 – 0400
	CN151	SPEAKER TERMINAL 6 – P	AKE7042
	CN152	2P PIN JACK	AKB7036

G REG.1 ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC101	REGULATOR IC	NJM78M15FA
	IC102	REGULATOR IC	NJM79M15FA
	IC103	REGULATOR IC	NJM78M12FA

CAPACITORS

Mark	No.	Description	Parts No.
	C101 – C103	CERAMIC CAPACITOR	CKCYF103Z50
	C105 – C107	ELECT. CAPACITOR	CEAS101M16

RESISTORS

Mark	No.	Description	Parts No.
⚠	R1226	METAL OXIDE RESISTOR	RS1LMF150J

OTHERS

Mark	No.	Description	Parts No.
	101	CABLE HOLDER(6P)	51052 – 0600
	102	CABLE HOLDER(7P)	51052 – 0700

H PRO LOGIC ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC3001	IC	LV1030
	IC3002	LOGIC IC	TC4052BP
	IC3003	DUAL ATT/BAL IC	M51132L
	IC3004	OP – AMP IC	NJM4558D – D
	IC3006 – IC3008	OP – AMP IC	NJM4558D – D
	IC3010, IC3011	OP – AMP IC	NJM4558D – D
	IC3012	REGULATOR IC	NJM78M09FA
	Q3002	TRANSISTOR	2SA933S
	Q3003	N – FET	2SK246
	Q3007	TRANSISTOR	KRC103M
	Q3008	TRANSISTOR	KRA103M
	Q3009	N – FET	2SK246
	D3001, D3002	DIODE	1SS252
	D3005, D3006	LED	BR3371XJ30A
	D3007	DIODE	1SS252
	D3010	ZENER DIODE	MTZJ12C
	D3011	DIODE	1SS252

CAPACITOS

Mark	No.	Description	Parts No.
	C3001, C3002	ELECT. CAPACITOR	CEAS1R0M50
	C3003	ELECT. CAPACITOR	CEAS221M10
	C3004 – C3007	ELECT. CAPACITOR	CEAS100M50
	C3008	ELECT. CAPACITOR	CEAS2R2M50
	C3009	ELECT. CAPACITOR	CEASR33M50
	C3010	ELECT. CAPACITOR	CEAS221M10
	C3011	AUDIO FILM CAPACITOR	CFTXA823J50
	C3012	MYLAR FILM CAPACITOR	CQMA332J50
	C3013	AUDIO FILM CAPACITOR	CFTXA823J50
	C3014	ELECT. CAPACITOR	CEASR47M50
	C3015	MYLAR FILM CAPACITOR	CQMA473J50
	C3016	ELECT. CAPACITOR	CEAS221M10
	C3017	AUDIO FILM CAPACITOR	CFTXA474J50
	C3018	ELECT. CAPACITOR	CEAS470M10
	C3019	ELECT. CAPACITOR	CEAS1R0M50
	C3020	ELECT. CAPACITOR	CEAS221M16
	C3021 – C3024	ELECT. CAPACITOR	CEAS100M50
	C3025	ELECT. CAPACITOR	CEASR47M50
	C3026	ELECT. CAPACITOR	CEANL4R7M50
	C3027	ELECT. CAPACITOR	CEASR47M50
	C3028	ELECT. CAPACITOR	CEANL4R7M50
	C3029	AUDIO FILM CAPACITOR	CFTXA154J50
	C3030	ELECT. CAPACITOR	CEANL3R3M50
	C3031, C3032	AUDIO FILM CAPACITOR	CFTXA154J50
	C3033	ELECT. CAPACITOR	CEANL3R3M50
	C3034	AUDIO FILM CAPACITOR	CFTXA154J50
	C3035	ELECT. CAPACITOR	CEANL4R7M50
	C3036	ELECT. CAPACITOR	CEASR47M50
	C3037	ELECT. CAPACITOR	CEANL4R7M50
	C3038	ELECT. CAPACITOR	CEASR47M50
	C3039	ELECT. CAPACITOR	CEAS1R0M50
	C3058, C3059	ELECT. CAPACITOR	CEAS220M25
	C3060 – C3062	ELECT. CAPACITOR	CEAS4R7M50
	C3063	ELECT. CAPACITOR	CEAS470M16
	C3064	ELECT. CAPACITOR	CEAS220M25
	C3065, C3066	ELECT. CAPACITOR	CEAS4R7M50
	C3067	ELECT. CAPACITOR	CEAS470M25
	C3068	ELECT. CAPACITOR	CEAS470M16
	C3070, C3071	ELECT. CAPACITOR	CEAS470M16
	C3072, C3073	ELECT. CAPACITOR	CEAS4R7M50
	C3075, C3076	ELECT. CAPACITOR	CEAS100M50
	C3077	CERAMIC CAPACITOR	CKCYB471K50
	C3079, C3080	ELECT. CAPACITOR	CEAS4R7M50
	C3081 – C3084	CERAMIC CAPACITOR	CGCYX473M25
	C3085	CERAMIC CAPACITOR	CGCYX104M25
	C3086	CERAMIC CAPACITOR	CCCSL101J50

RESISTORS

Mark	No.	Description	Parts No.
	R3020	METALFILM RESISTOR	RN1/4PC5102F
	R3021, R3022	METALFILM RESISTOR	RN1/4PC1003F
	R3023	METALFILM RESISTOR	RN1/4PC3902F
	R3024	METALFILM RESISTOR	RN1/4PC5102F
	R3025, R3026	METALFILM RESISTOR	RN1/4PC1003F
	R3027	METALFILM RESISTOR	RN1/4PC3902F
⚠	R3071	METAL OXIDE RESISTOR	RS1LMF100J
⚠	R3073	FUSLIBLE RESISTOR	RFA1/4PS470J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN3001	15P SOCKET	KP200TA15L
	CN3002	5P SOCKET	KP200TA5L
	CN3003	CONNECTOR(10P)	KPE10
	X3001	CERAMIC RESONATOR (8.00MHz)	DSS1053

M PRIMARY ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC51	REGULATOR IC	NJM78M56FA
	Q51	TRANSISTOR	KRC101M
	D51	DIODE	S5688G
	D53	ZINER DIODE	MTZJ5.1A
	D54, D55	DIODE	1SS252

COILS AND FILTERS

Mark	No.	Description	Parts No.
⚠	L51	FILTER (0.8mH,AC250V)	ATF – 151

TRANSFORMERS

Mark	No.	Description	Parts No.
⚠	T51	POWER TRANSFORMER	ATT7019

SWITCHES AND RELAYS

Mark	No.	Description	Parts No.
⚠	RY51	RELAY	ASR1044

CAPACITORS

Mark	No.	Description	Parts No.
	C51	CERAMIC CAPACITOR	CGCYX103M25
	C52	ELECT. CAPACITOR	CEAS471M16
	C53	ELECT. CAPACITOR	CEAS470M16
⚠	C54, C55	CKA (10000pF/AC250V)	ACG7020

RESISTORS

Mark	No.	Description	Parts No.
	R54	CARBON FILM RESISTOR	RD1/2PM270J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	CN51	CONNECTOR(4P)	KPE4
	H51, H52	FUSE CLIP	AKR1004

E FRONT SP ASSY

CAPACITORS

Mark	No.	Description	Parts No.
	C1201 – C1204	POLYESTER CAPACITOR	CQMXA473J2A
	C1205, C1206	POLYESTER CAPACITOR	CQMXA103J2A

OTHERS

Mark	No.	Description	Parts No.
	1201	SPEAKER TERMINAL 8 – P	AKE7026
	1203	CABLE HOLDER(4P)	51052 – 0400

I VOLUME ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC701 – IC703	IC	UPC4570C
	Q701	TRANSISTOR	KRC103M
	Q702	TRANSISTOR	KRA103M
	Q703, Q704	N – FET	2SK246
	Q705, Q706	TRANSISTOR	2SA1115
	Q707, Q708	TRANSISTOR	2SC2603
	D701, D703	DIODE	1SS252
	D705	DIODE	1SS252

CAPACITORS

Mark	No.	Description	Parts No.
	C701, C702	ELECT. CAPACITOR	CEAS4R7M50
	C703, C704	AXIAL CAPACITOR	CCPUSL680J50
	C705 – C708	ELECT. CAPACITOR	CEAS4R7M50
	C709, C710	CERAMIC CAPACITOR	CKPUYB151K50
	C711, C712	ELECT. CAPACITOR	CEAS4R7M50
	C714	ELECT. CAPACITOR	CEAS4R7M50
	C716	AXIAL CAPACITOR	CKPUYB101K50
	C718	ELECT. CAPACITOR	CEAS4R7M50
	C719	ELECT. CAPACITOR	CEANP100M50
	C720, C721	CERAMIC CAPACITOR	CCCSL271J50
	C722	ELECT. CAPACITOR	CEAS220M50
	C723 – C728	CERAMIC CAPACITOR	CGCYX104M25
	C729, C730	AUDIO FILM CAPACITOR	CFTXA473J5

RESISTORS

Mark	No.	Description	Parts No.
	VR701	VARIABLE RESISTOR (100kΩ – A5X6)	ACX7028
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	701	CABLE HOLDER(15P)	51063 – 1505
	CN702	KR CONNECTOR	B6B – PH – K – S
	CN703	CONNECTOR(9P)	KPE9

L VIDEO/SR ASSY

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC851	VIDEO SEITCH	LA7952
	Q801	TRANSISTOR	2SA933S
	Q802	TRANSISTOR	KRC103M
	Q853, Q854	TRANSISTOR	2SC1740S
	D801, D802	DIODE	1SS252
	D851 – D853	DIODE	1SS252

CAPACITORS

Mark	No.	Description	Parts No.
	C801	CERAMIC CAPACITOR	CKCYF103Z50
	C851 – C853	ELECT. CAPACITOR	CEAS4R7M50
	C854, C856	ELECT. CAPACITOR	CEAS471M6R3
	C858, C860	ELECT. CAPACITOR	CEAS470M25
	C862	CERAMIC CAPACITOR	CGCYX103M16
	C863	CERAMIC CAPACITOR	CKCYB102K50
	C871, C872	CERAMIC CAPACITOR	CGDYX103M16
	C9021	CERAMIC CAPACITOR	CGCYX103M25

RESISTORS

Mark	No.	Description	Parts No.
	R860	CARBON FILM RESISTOR	RD1/4PM331J
		Other Resistors	RD1/4PU□□□J

OTHERS

Mark	No.	Description	Parts No.
	801	2P RCA PINJACK	AKB7017
	802	3P RCA PINJACK	AKB7018
	CN802	CONNECTOR(7P)	KPE7
	CN804	CONNECTOR(4P)	KPE4
	JA803, JA807	JACK	RKN1004

O FM/AM TUNER MODULE

SEMICONDUCTORS

Mark	No.	Description	Parts No.
	IC6201	AM/FM +MPX IC	LA1836M
	IC6202	PLL IC	LM7001J
	Q6101	DUALGATE – FETA(CHIP)	3SK194
	Q6102	TRANSISTOR	2SC2223
	Q6103	TRANSISTOR	2SC2714
	Q6104, Q6105	MOS – FET	2SK302
	Q6201	NCH – FET(SMD)	2SK208
	Q6202	TRANSISTOR	2SC2712
	Q6203	TRANSISTOR	2SC2235
	Q6204	TRANSISTOR	XDA124EK
	Q6214	TRANSISTOR	2SC2714
	Q6215, Q6217	TRANSISTOR	XDC124EK
	Q6218	TRANSISTOR	2SC2712
	D6101 – D6104	VARI – CAP DIODE	1SV228
	D6201	PIN DIODE	HVU187

COILS AND FILTERS

Mark	No.	Description	Parts No.
	F6202	AM CERAMIC FILTER (450kHz)	ATF1156
	F6203	CERAMIC FILTER	ATF – 119
	F6204	CERAMIC FILTER	ATF – 107
	F6205	ANTIBIRDY FILTER	ATF1152
	L6101	COIL	ATC1016
	L6102	COIL	ATC1017
	L6103	COIL	ATC1018
	L6104	COIL	ATC1019
	L6105	COIL	ATC1015
	L6106	COIL	ATC1003
	L6107	TIP COIL (2.2µH)	ATH1043
	L6201 – L6203	CHIP COIL	LCTA2R2J3225
	L6205	CHIP COIL	LCTA680J3225
	L6207	FM DETECTION COIL (10.7MHz)	ATE1013
	L6208	CHIP COIL	LCTA2R2J3225
	L6209	CHIP COIL	LCTA221J3225

TRANSFORMERS

Mark	No.	Description	Parts No.
	T6101	IF TRANSFORMER	ATE – 063

CAPACITORS

Mark	No.	Description	Parts No.
	C6101	CHIP CAPACITOR	CCSQTH110J50
	C6102	CERAMIC CAPACITOR	CKSQYB103K50
	C6105	CHIP CAPACITOR	CCSQSL471J50
	C6106	CHIP CAPACITOR	CCSQTH330J50
	C6107	CHIP CAPACITOR	CCSQTH300J50
	C6109	CHIP CAPACITOR	CCSQTH270J50
	C6110	CHIP CAPACITOR	CCSQTH300J50
	C6111	CHIP CAPACITOR	CCSQCK1R0C50
	C6112	CHIP CAPACITOR	CCSQCK2R0C50
	C6113	CHIP CAPACITOR	CCSQCH101J50
	C6114	CERAMIC CAPACITOR	CKSQYB103K50
	C6115	CHIP CAPACITOR	CKSQYB102K50
	C6116	CHIP CERAMIC C.	CCSQCH150J50
	C6117	CHIP CAPACITOR	CCSQCH330J50
	C6118	CHIP CAPACITOR	CCSQCH8R0D50
	C6119	CHIP CAPACITOR	CCSQTH150J50
	C6120	CHIP CAPACITOR	CCSCH6R0D50
	C6121	CERAMIC CAPACITOR	CKSQYB103K50
	C6122	CHIP CAPACITOR	CCSQCK1R0C50
	C6123	CERAMIC CAPACITOR	CKSYB103K50
	C6124	CERAMIC CAPACITOR	CKSQYB103K50
	C6125, C6126	CHIP CAPACITOR	CKSQYB102K50
	C6204	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6207	CHIP CAPACITOR	CKSQYB102K50
	C6208	CHIP CERAMIC C.	CCSQCH150J50
	C6209	CERAMIC CAPACITOR	CKSQYB473K50
	C6210	CERAMIC CAPACITOR	CKSQYB103K50
	C6212	CHIP CAPACITOR	CKSQYF103Z50
	C6213	CHIP CAPACITOR	CKSQYB223K50
	C6214	AUDIO FILM CAPACITOR	CFTXA224J50
	C6215	AUDIO FILM CAPACITOR	CFTXA103J50
	C6216, C6217	ELECT. CAPACITOR	CEAS330M16
	C6218	CHIP CAPACITOR	CKSQYF103Z50
	C6219	ELECT. CAPACITOR	CEAS470M10
	C6220	CERAMIC CAPACITOR	CKSQYF104Z25
	C6221, C6222	CHIP CERAMIC C.	CCSQCH150J50
	C6223	CHIP CAPACITOR	CKSYF103Z50
	C6224	ELECT. CAPACITOR	CEEA101M25
	C6225	CERAMIC CAPACITOR	CKSQYF473Z50
	C6226	CHIP CAPACITOR	CKSQYF223Z50
	C6227	ELECT. CAPACITOR	CEAS470M25
	C6228	CERAMIC CAPACITOR	CKSQYB472K50
	C6229	CHIP CAPACITOR	CCSCH102J50
	C6230	CHIP CAPACITOR	CKSQYB273K50
	C6231	ELECT. CAPACITOR	CEAS100M50
	C6232	CERAMIC CAPACITOR	CKSYB273K50
	C6233	ELECT. CAPACITOR	CEAS100M50
	C6234	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6235	CERAMIC CAPACITOR	CKSQYF224Z25
	C6236	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6237	CERAMIC CAPACITOR	CKSQYB473K50
	C6238	ELECT. CAPACITOR	CEJA100M16
	C6239	CHIP CAPACITOR	CKSQYF223Z50
	C6241	CERAMIC CAPACITOR	CKSQYF473Z50
	C6242	CHIP CAPACITOR	CKSQYF223Z50
	C6243 – C6245	ELECT. CAPACITOR	CEAS470M16
	C6246	ELECT. CAPACITOR	CEEA100M50
	C6247	CERAMIC CAPACITOR	CKSQYB122K50
	C6248	ELECT. CAPACITOR	CEEA100M50
	C6249, C6250	ELECT. CAPACITOR	CEJA4R7M35
	C6251, C6252	CERAMIC CAPACITOR	CKSQYB562K50
	C6253	CERAMIC CAPACITOR	CKSQYB103K50
	C6254	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6255, C6256	CHIP CAPACITOR	CKSQYF223Z50
	C6261	ELECT. CAPACITOR	CEJA1R0M50
	C6262	ELECT. CAPACITOR	CEAS100M50
	C6263	CHIP CAPACITOR	CKSYF473Z50
	C6264	CERAMIC CAPACITOR	CKSQYB103K50
	C6267	CERAMIC CAPACITOR	CKSQYB473K50
	C6269	CAPACITOR (CERAMIC) (1µF/16V)	ACG1051
	C6272	CHIP CAPACITOR	CCSQSL330J50

RESISTORS

Mark	No.	Description	Parts No.
	R6112	CHIP RESISTER	RS1/8S473J
	R6115, R6119	CHIP RESISTOR	RS1/8S0R0J
	R6123, R6127	CHIP RESISTOR	RS1/8S0R0J
	R6129	CHIP RESISTOR	RS1/8S0R0J
	R6209	CHIP RESISTOR	RS1/8S221J
	R6211	CHIP RESISTOR	RS1/8S103J
	R6237	CHIP RESISTOR	RS1/8S122J
	R6239	CHIP RESISTOR	RS1/8S103J
	R6243, R6244	CHIP RESISTOR	RS1/8S101J
	R6247	CHIP RESISTOR	RS1/8S152J
	R6268 – R6273	CHIP RESISTOR	RS1/8S0R0J
	R6275, R6276	CHIP RESISTOR	RS1/8S0R0J
	R6278, R6283	CHIP RESISTOR	RS1/8S0R0J
	R6284, R6289	CHIP RESISTOR	RS1/8S0R0J
	R6293, R6294	CHIP RESISTOR	RS1/8S0R0J
	R6297	CHIP RESISTOR	RS1/8S0R0J
	R6299, R6300	CARBON FILM RESISTOR	RD1/4PU102J
	R6302, R6303	CHIP RESISTOR	RS1/8S0R0J
	VR6201	VR (10kΩ, 0.1W)	ACP1056
	VR6202	VR	VRTB6VS223
		Other Resistors	RS1/10S□□□J

OTHERS

Mark	No.	Description	Parts No.
		AM RF TUNING BLOCK	AXX1025
	BN6201	2P TERMINAL WITH PAL	AKA1017
	CN6201	14P SOCKET	KP200IA14L
	X6201	CRYSTAL RESONATOR (456kHz)	ASS1066
	X6202	CERAMIC RESONATOR (450kHz)	ATF1027
	X6203	CRYSTAL RESONATOR (7.200MHz)	ASS1042

6. ADJUSTMENT

■ ADJUSTMENT OF FM TUNER SECTION

- Set the FM/AM selector to FM BAND.
- Connect the wiring as shown in Fig. 6–1.

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dBμV)			
1	Center Adjustment	98	80	98MHz	L6207	Adjust so that the DC voltage between IC6201-Pin 4 and Pin 28 (or ⊕ leads of C6224 and C6261) becomes 0V±50mV.
2	Front End Sensitivity adjustment	106	Low input (0 to 30)	106MHz	L6104 L6105 L6102 T6101	After adjusting L6104 and L6105 so that the DC voltage between IC6201-Pin 12 and GND (or ⊕ leads of C6238 and GND) becomes at maximum level, adjust T6101 and L6102.
3	Stereo Distortion	98	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	98	15 (±2dB)	98MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

- *Before adjusting, make sure there is no gap between L6101 and L6102 and between L6103 and L6104. If there is a gap between them, bring them into contact with each other first, and then make adjustments.*
- *Make indicator adjustments in order of AM → FM.*
- *Adjustment sequence : L6104 → L6105 → L6102 → T6101.*

■ ADJUSTMENT OF AM TUNER SECTION

- Set the FM/AM selector to AM BAND.
- Connect the wiring as shown in Fig. 6–1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dBμV/m)			
1	TUNED IND. Lighting Level	999*1	47(±2dB)	999kHz*1	VR6202	Adjust so that the indicator of TUNED IND. starts to light up.

**1: For the area using 10kHz step, frequencies should be 1000kHz*

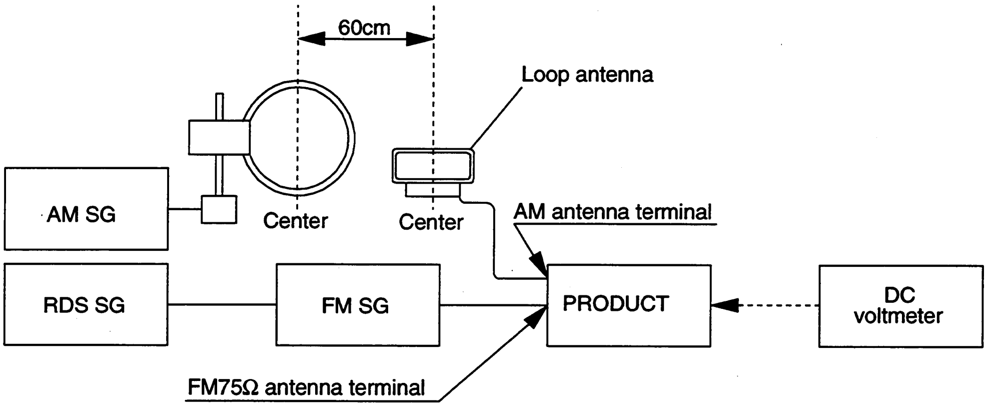

60cm
Loop antenna
AM SG
Center
Center
AM antenna terminal
RDS SG
FM SG
PRODUCT
DC voltmeter
FM75Ω antenna terminal

Fig. 6–1 AM and FM Adjustment Wiring Diagram

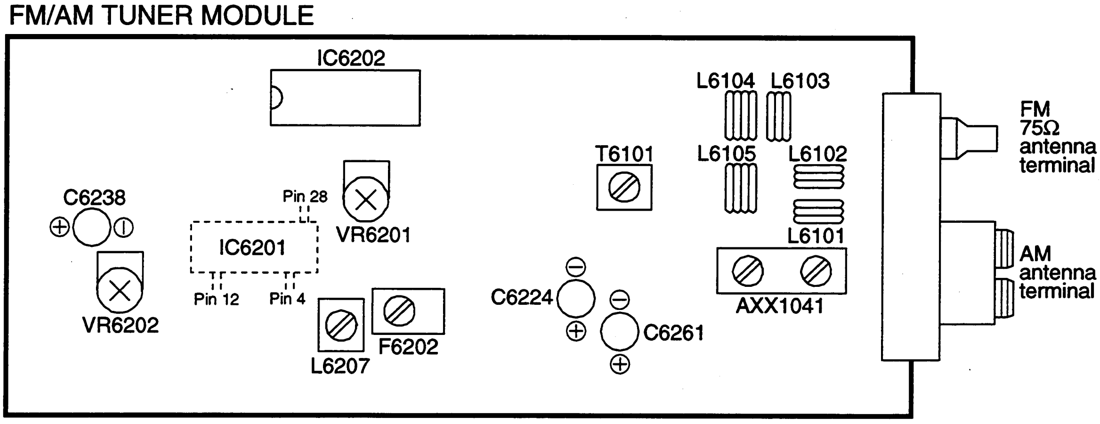

FM/AM TUNER MODULE
IC6202
L6104
L6103
FM 75Ω antenna terminal
T6101
L6105
L6102
C6238
Pin 28
VR6201
IC6201
L6101
AM antenna terminal
Pin 12
Pin 4
C6224
AXX1041
VR6202
F6202
C6261
L6207

Fig. 6–2 Adjustment Points

7. GENERAL INFORMATION

7.1 PARTS

7.1.1 IC

• The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

■ PDG203A (FL/U-COM ASSY : IC901)

● Microcomputer Port Function Table

PIN No.	PIN NAME	FUNCTION	RESET	I/O	FUNCTION
1	G1/A1	O/O	Hi-Z or PD	O	FL Grid 2
2	G0/A0	O/O	Hi-Z or PD	O	FL Grid 1
3	NC	(5V)			(5V)
4	PE0/EC0/INT0	I/I/I	Hi-Z	I	AC WAKE-UP
5	PE1/EC1/INT1	I/I/I	Hi-Z	I	RDS DT
6	PE2/INT2	I/I	Hi-Z	I	RDS CK
7	PE3/INT3/NMI	I/I/I	Hi-Z	I	no use
8	PE4/RMC	I/I	Hi-Z	I	RMC
9	PE5	I/I	Hi-Z	I	9K/10K
10	PE6/PWM	O/O	H	O	VOL.UP
11	PE7/TO/ADJ	O/O/O	H	O	VOL.DOWN
12	PC0/KR0	IO/I	Hi-Z	I	TUNED
13	PC1/KR1	IO/I	Hi-Z	I	STEREO
14	PC2/KR2	IO/I	Hi-Z	I	JOG 1
15	PC3/KR3	IO/I	Hi-Z	I	JOG 2
16	PC4/KR4	IO/I	Hi-Z	I	KEY IN 1
17	PC5/KR5	IO/I	Hi-Z	I	KEY IN 2
18	PC6/KR6	IO/I	Hi-Z	I	KEY IN 3
19	PC7/KR7	IO/I	Hi-Z	O	PRO-LOGIC DT
20	PB0/CINT	IO/I	Hi-Z	O	PRO-LOGIC CK
21	PB1/CS0	IO/I	Hi-Z	O	DSP ST
22	PB2/SCK0	IO/IO	Hi-Z	O	4052 CONT A
23	PB3/SI0	IO/I	Hi-Z	O	5-D THEATER ON/OFF
24	PB4/SO0	IO/I	Hi-Z	O	4052 CONT B
25	PB5/SCK1	IO/IO	Hi-Z	O	5-D CONTROL
26	PB6/SI1	IO/I	Hi-Z	O	DSP-DELAY/DIRECT
27	PB7/SO1	IO/O	Hi-Z	O	PRO-LOGIC ST
28	AV_{REF}	I	(5V)	I	5V
29	PA0/AN0	IO/AI	Hi-Z	I	KU-HY Selection
30	PA1/AN1	IO/AI	Hi-Z	O	FM+ (RDS)
31	PA2/AN2	IO/AI	Hi-Z	O	RF ATT (RDS)
32	PA3/AN3	IO/AI	Hi-Z	O	no use
33	PA4/AN4	IO/AI	Hi-Z	I	AMP OL
34	PA5/AN5	IO/AI	Hi-Z	I	AMP DC
35	PA6/AN6	IO/AI	Hi-Z	O	V.CONT B
36	PA7/AN7	IO/AI	Hi-Z	O	V.CONT A
37	AVss	(GND)	GND		GND
38	RST	I	LOW	I	RST
39	EXTAL	I	Oscillation	I	Oscillation
40	XTAL	O	Oscillation	O	Oscillation
41	Vss	(GND)	GND		GND
42	TX	O		O	OPEN
43	TEX	I		I	GND
44	V_{DD}	(5V)	5V		5V
45	V_{FDP}	(V_F)	V_F		V_F
46	PD0/A55	O/O	Hi-Z or PD	O	V.MUTE
47	PD1/A54	O/O	Hi-Z or PD	O	AC RY
48	PD2/A53	O/O	Hi-Z or PD	O	R.C. RY
49	PD3/A52	O/O	Hi-Z or PD	O	FRONT RY
50	PD4/A51	O/O	Hi-Z or PD	O	SP-B RY

PIN No.	PIN NAME	FUNCTION	RESET	I/O	FUNCTION
51	PD5/A50	O/O	Hi-Z or PD	O	HP RY
52	PD6/A49	O/O	Hi-Z or PD	O	SP-A RY
53	PD7/A48	O/O	Hi-Z or PD	O	no use
54	PF0/A47	O/O	Hi-Z or PD	O	no use
55	PF1/A46	O/O	Hi-Z or PD	O	no use
56	PF2/A45	O/O	Hi-Z or PD	O	(OPEN)
57	PF3/A44	O/O	Hi-Z or PD	O	(OPEN)
58	PF4/A43	O/O	Hi-Z or PD	O	F. ST 3
59	PF5/A42	O/O	Hi-Z or PD	O	F. ST 2
60	PF6/A41	O/O	Hi-Z or PD	O	F. ST 1
61	PF7/A40	O/O	Hi-Z or PD	O	SYS. DT
62	PG0/A39	O/O	Hi-Z or PD	O	SYS. CK
63	PG1/A38	O/O	Hi-Z or PD	O	PLL CE
64	PG2/A37	O/O	Hi-Z or PD	O	T. MUTE
65	PG3/A36	O/O	Hi-Z or PD	O	A. MUTE
66	PG4/A35	O/O	Hi-Z or PD	O	MONO
67	PG5/A34	O/O	Hi-Z or PD	O	LOUDNESS
68	PG6/A33	O/O	Hi-Z or PD	O	(OPEN)
69	PG7/A32	O/O	Hi-Z or PD	O	SEG.21
70	PH0/A31	O/O	Hi-Z or PD	O	SEG.20
71	PH1/A30	O/O	Hi-Z or PD	O	SEG.19
72	PH2/A29	O/O	Hi-Z or PD	O	SEG.18/KEY 1
73	PH3/A28	O/O	Hi-Z or PD	O	SEG.17/KEY 2
74	PH4/A27	O/O	Hi-Z or PD	O	SEG.16/KEY 3
75	PH5/A26	O/O	Hi-Z or PD	O	SEG.15/KEY 4
76	PH6/A25	O/O	Hi-Z or PD	O	SEG.14/KEY 5
77	PH7/A24	O/O	Hi-Z or PD	O	SEG.13/KEY 6
78	A23	O	Hi-Z or PD	O	SEG.12/KEY 7
79	A22	O	Hi-Z or PD	O	SEG.11/KEY 8
80	A21	O	Hi-Z or PD	O	SEG.10/KEY 9
81	A20	O	Hi-Z or PD	O	SEG. 9/KEY10
82	A19	O	Hi-Z or PD	O	SEG. 8
83	A18	O	Hi-Z or PD	O	SEG. 7
84	A17	O	Hi-Z or PD	O	SEG. 6
85	A16	O	Hi-Z or PD	O	SEG. 5
86	G15/A15	O/O	Hi-Z or PD	O	SEG. 4
87	G14/A14	O/O	Hi-Z or PD	O	SEG. 3
88	G13/A13	O/O	Hi-Z or PD	O	SEG. 2
89	VDD	5V	5V		5V
90	G12/A12	O/O	Hi-Z or PD	O	SEG. 1
91	G11/A11	O/O	Hi-Z or PD	O	FL Grid12
92	G10/A10	O/O	Hi-Z or PD	O	FL Grid11
93	G9/A9	O/O	Hi-Z or PD	O	FL Grid10
94	G8/A8	O/O	Hi-Z or PD	O	FL Grid 9
95	G7/A7	O/O	Hi-Z or PD	O	FL Grid 8
96	G6/A6	O/O	Hi-Z or PD	O	FL Grid 7
97	G5/A5	O/O	Hi-Z or PD	O	FL Grid 6
98	G4/A4	O/O	Hi-Z or PD	O	FL Grid 5
99	G3/A3	O/O	Hi-Z or PD	O	FL Grid 4
100	G2/A2	O/O	Hi-Z or PD	O	FL Grid 3

Pin No.	Port Function	Logic	Function
4	AC WAKE UP input	50 or 60 Hz squar wave	Same as the conventional model. Normal operation mode when signals are input. When signals are absent and 2 waves are dropped, the "STOP mode" should be set. Note) To prevent incorrect operations due to noise and static electricity, implement noise removal measures.
5	RDS DATA input	Depending on SAA6579	DATA for the serial control of RDS communication.
6	RDS CLK input	Depending on SAA6579	CLK for the serial control of RDS communication.
8	SR remote controller input	SR remote controller code (no carrier, Hi active).	The output of the light-receiving section of the remote controller of the unit and output from SR IN of the light-receiving section of the remote controller of other unit are input.
9	Freq. step select input (9K/10K)	H/L	Selects frequency steps of the tuner. FM AM H 100K 10K
10	VOL.UP output	Lo active	Motor volume control. Defined as Lo when VOL.UP.
11	VOL.DOWN output	Lo active	Motor volume control. Defined as Lo when VOL.DOWN.
12	TUNED input	Hi active	Lo is input when the tuner is being tuned. "TUNED" lights up in the FL display. Functions only during TUNER FUNCTION and normally does not function.
13	STEREO input	Hi active	Lo is input when the tuner receives a stereo broadcasting. "STEREO" lights up on the FL display. Does not function when the forcible monaural is ON. Functions only during TUNER FUNCTION and normally does not function.
14	JOG 1 input	Pulse Lo input Normally H	JOG counterclockwise direction input. The input sensitivity is the same as the conventional model. (1 click, 1 step?)
15	JOG 2 input	Pulse Lo input Normally H	JOG clockwise direction input. The input sensitivity is the same as the conventional model. (1 click, 1 step?)
16-18	KEY SCAN input		KEY SCAN input of the unit key.
29	Destination select	H/L	H:/KU series model (including /SD) L:/HY series model (including /HL, YP)
32	DSP input level sensitivity	Analog input	0 to 5V input level is input to DSP. When the input level exceeds 2.1V, (ATT)"OVERLOAD" lights up on the FL display. Functions only when analog signals (including AUTO) are input to the DSP. Does not function when the front speaker is set to "LARGE" or in a 2ch playback (including DIRECT). When the front speaker is set to "SMALL", this port functions in 2ch playback (including DIRECT). AC-3 model only. Set to the output port in the PRO-LOGIC model.
33	OL.DETECT input	Lo active	Input of the protection circuit as OVERLOAD DETECTOR. When Lo is input, this port opens relays other than the AC relay. "OVERLOAD" flashes on the 8th digits of the FL display for five seconds.

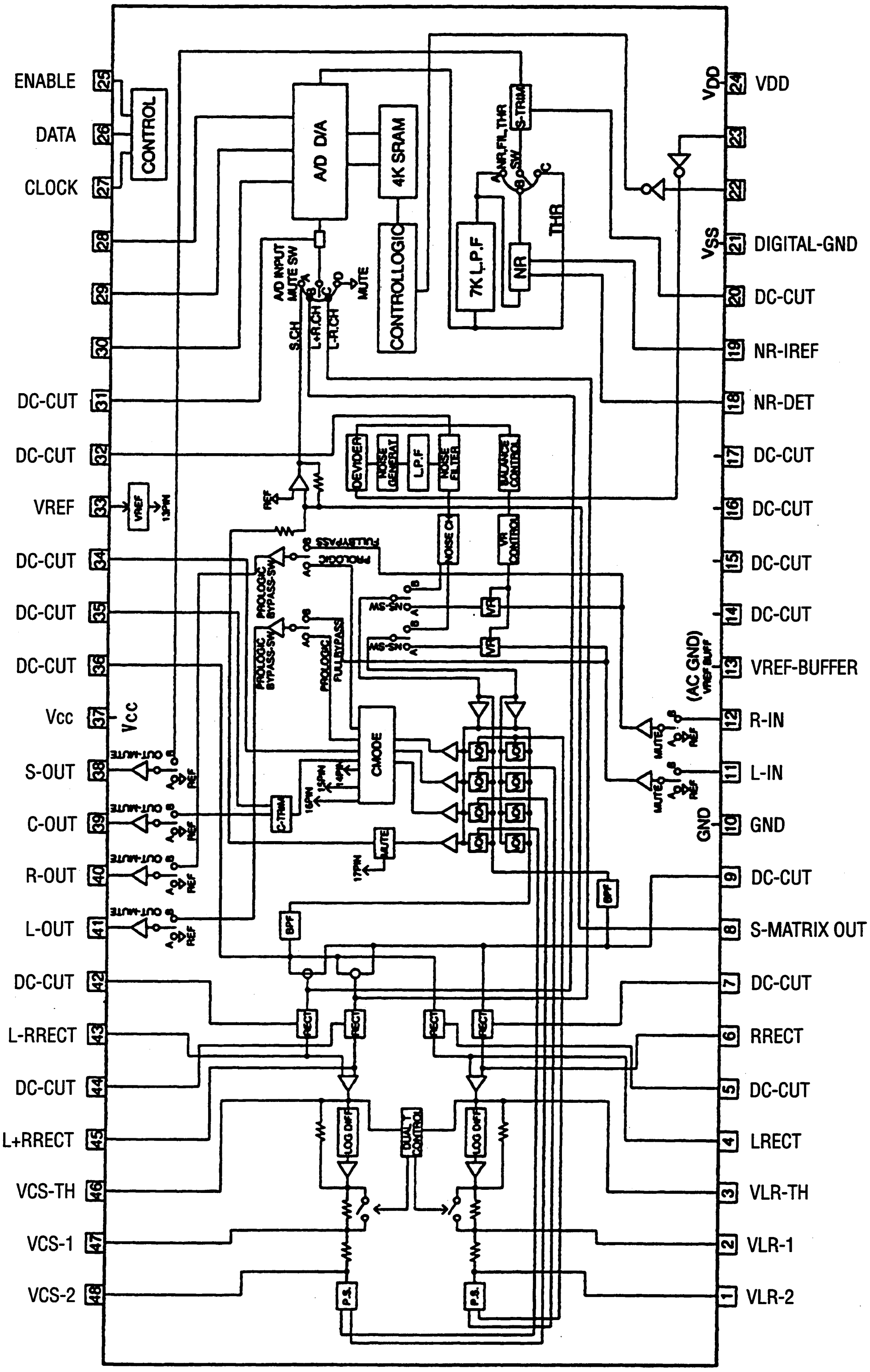
Pin No.	Port Function	Logic	Function
34	DC.DETECT input	Lo active	Input of the protection circuit as DC DETECTOR. When Lo is input, this port opens relays other than the AC relay. "POWEROFF" flashes on the 8th digits of the FL display.
35, 36	VIDEO IC CONT. output	H/L Depending on LA7952	2-bit parallel control for the video function IC. Refer to SW specification.
38	RESET	Lo active	Same specification as VSX-605S
39 40	Oscillation input Oscillation output		7.7MHz (ASS1055)
46	VIDEO signal MUTE output	Lo active	Output for muting MOTOR OUT Becomes H when in the audio FUNCTION.
30	RDS decoder VDD ON/OFF and FM/AM selection	H active	Turns ON/OFF the RDS decoder Tr switch for VDD. Lo when in AM and Hi in FM of the function tuner. Lo when the power is OFF. H at other times even when functions other than TUNER are set.
31	RF ATT ON/OFF output	H active	Turns the Tr switch of the RF attenuator ON/OFF. Lights up "RF ATT" in FL when the Tr switch is ON. Operates only when the system is in TUNER FUNCTION mode. Normally, it is set to Lo.
58	TC9299 ST output	Depending on TC9299	Serial control STROBE for the electric volume (for REAR, CENT., SUB WF) TC9299 (x2). 3 lines of 58, 61, and 62 (AC-3 model only).
59	TC9162 ST output	Depending on TC9162	Serial control STROBE for the function IC TC9162. 3 lines of 59, 61, and 62 (AC-3 model only).
60	TC9273 ST output	Depending on TC9273	Serial control STROBE for the function IC TC9273. 3 lines of 60, 61, and 62.
61	SYS.DATA output	Depending on TC9273, TC9162, TC9299, and LM7001	Controls PLL IC, AUDIO FUNC. IC, E.VOL. IC with a serial control data. (TC9162 and TC9299 are only for AC-3 model)
62	SYS.CK output	Depending on TC9273, TC9162, TC9299, and LM7001	Controls PLL IC, AUDIO FUNC. IC, E.VOL. IC with a serial control clock. (TC9162 and TC9299 are only for AC-3 model)
63	PLL CE. output	Depending on LM7001	CHIP ENABLE for the tuner PLL IC serial control. 3 lines of 61, 62, and 63
64	T.MUTE ON/OFF output	H active	Muting control for the tuner output. Muting timing is the same as the conventional model. Set to H in functions other than TUNER.
66	TUNERT forcible monaural ON/OFF output	H active	Set to H when the forcible monaural is ON in the MPX mode of the TUNER function.
51	HP.RY ON/OFF output	H active	Turns ON/OFF the Tr switch for the headphone RY.
52 50 49	SP-A RY SP-B RY FRONT RY ON/OFF output	H active	Turns ON/OFF the Tr switch for the front SP to be connected in series. Logic is as follows. 52 50 49 SP-A ON H Lo H SP-B ON Lo H H A,B ON Lo Lo H A,B OFF Hi Hi Lo

Pin No.	Port Function	Logic	Function
48	R.C. RY ON/OFF output	H active	Turns ON/OFF the Tr switch for the rear, center SP RY.
48-52	Protect operation		RY for protection is not provided for this model. The following functions are performed by setting ports 58 to 62 to Lo. Muting when power ON Instantaneous shut-off when power OFF AMP DC protect AMP over loading protect
47	AC RY ON/OFF output	H active	Turns ON/OFF the Tr switch for AC power RY. Lo when stand by, H when power ON.
65	A.MUTE output	Lo active	Controls the audio system muting. Muting timing is the same as the conventional model.
67	LOUDNESS ON/OFF output	H active	Turns ON/OFF the Tr switch for LOUDNESS. "LOUDNESS" lights up on the FL display when ON. Forcibly turned OFF when DIRECT ON.
69-90 (excluding 89)	FL drive segment output Also serves as 72 to 81 KEY SCAN		FL driver Main unit KEY SCAN output 81 is dedicated for selecting a destination.
1,2 & 91-100	FL drive grid output		FL driver (91 is for AC-3 model only)
26	DIRECT ON/OFF output	H active	/HY model only. Turns ON/OFF the DIRECT Tr switch. When DIRECT ON (port High), character "DIRECT" lights up on the FL display.
22 24	TC4052 CONTROL output	H/L	Control output for the IC TC4052 for selecting FRONT signal.
23	M51132 ON/OFF output	Lo active	Control output for the IC M51132L for 5-D THEATER. When ON (port Low), character "5-D THEATER" lights up on the FL display.
21	M65846 ST output	Depending on M65846	STROBE for the serial control of DSP IC M65846. Three lines of 19, 20, and 21.
20	SURR.CK output	Depending on LV1030 and M65846	CLOCK for the serial control of PRO-LOGIC IC and DSP IC.
27	PRO-LOGIC CE output	Depending on LV1030	CHIP ENABLE for the serial control of PRO-LOGIC IC LV1030. Three lines of 19, 20, and 27.
19	SURR.DT output	Depending on LV1030 and M65846	DATA for the serial control of PRO-LOGIC IC and DSP IC.
25	5D-CONT	Low active	Turns ON when the 5D-THEATER surround is effective.

■ LV1030 (PRO LOGIC ASSY : IC3001)

● Dolby PRO LOGIC

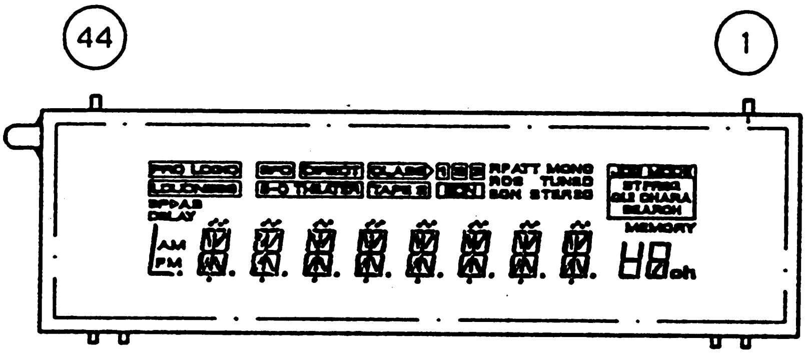
● Block Diagram


ENABLE
25
DATA
26
CLOCK
27
28
29
30
DC-CUT
31
DC-CUT
32
VREF
33
DC-CUT
34
DC-CUT
35
DC-CUT
36
Vcc
37
S-OUT
38
C-OUT
39
R-OUT
40
L-OUT
41
DC-CUT
42
L-RRECT
43
DC-CUT
44
L+RRECT
45
VCS-TH
46
VCS-1
47
VCS-2
48
VDD
24
23
22
DIGITAL-GND
21
DC-CUT
20
NR-IREF
19
NR-DET
18
DC-CUT
17
DC-CUT
16
DC-CUT
15
DC-CUT
14
VREF-BUFFER
13
R-IN
12
L-IN
11
GND
10
DC-CUT
9
S-MATRIX OUT
8
DC-CUT
7
RRECT
6
DC-CUT
5
LRECT
4
VLR-TH
3
VLR-1
2
VLR-2
1
CONTROL
A/D D/A
4K SRAM
CONTROLLOGIC
S-TRIM
ANR,FIL,THR SW
THR
7K L.P.F
NR
VDD
VSS
A/D INPUT MUTE SW
S.CH
L+R.CH
L-R.CH
MUTE
DEVIDER
NOISE GENERAT.
L.P.F
NOISE FILTER
BALANCE CONTROL
NOISE CH
VR CONTROL
REF
VREF
13PIN
FULLBYPASS
PROLOGIC
PROLOGIC BYPASS-SW
MS-SNO
VR
(AC GND)
VREF BUFF
Vcc
OUT-MUTE
C-MODE
C-TRIM
15PIN
16PIN
14PIN
17PIN
MUTE
GND
BPF
RECT
LOG DIFF
DUAL 1 CONTROL
P.S.

7.1.2 DISPLAY

■ AAV7035 (V901 : FL/U-COM ASSY)

● FL Tube

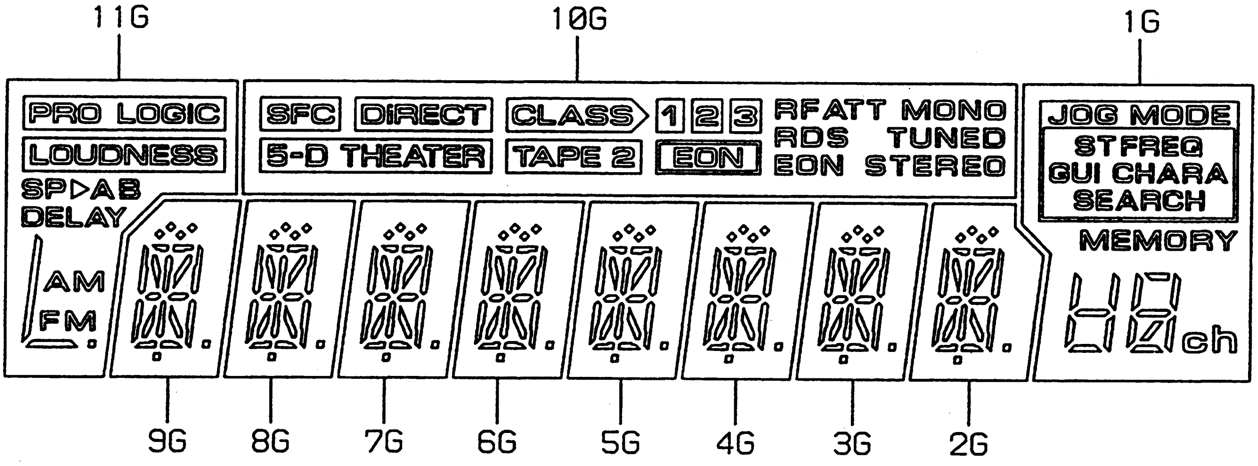

44
1
PRO LOGIC
LOUDNESS
SP▷AB
DELAY
SFC
DIRECT
CLASS
5-D THEATER
TAPE 2
1 2 3
EON
RFATT MONO
RDS TUNED
EON STEREO
JOG MODE
ST FREQ
GUI CHARA
SEARCH
MEMORY
AM
FM
ch

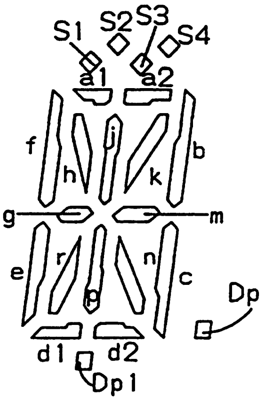
● Pin Assignment

PIN NO.	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
CONNECTION	F2	F2	NP	NP	NX	NX	NX	P21	P20	P19	P18	P17	P16	P15	P14	P13	P12	P11	P10	P9	P8	P7	P6	P5	P4	P3	P2	P1	NX	11G	10G	9G	8G	7G	6G	5G	4G	3G	2G	1G	NP	NP	F1	F1

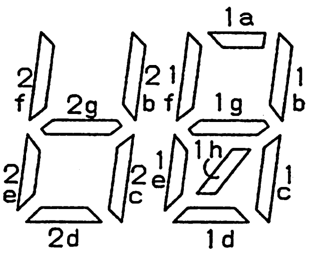
NOTE 1) F1,F2 --- Filament
2) NP ------- No pin
3) NX ------- No extend pin
4) DL ------- Datum Line
5) 1G~11G --- Grid

● Grid Assignment


11G
10G
1G
PRO LOGIC
LOUDNESS
SP▷AB
DELAY
AM
FM
SFC
DIRECT
CLASS
1
2
3
5-D THEATER
TAPE 2
EON
RFATT MONO
RDS TUNED
EON STEREO
JOG MODE
ST FREQ
GUI CHARA
SEARCH
MEMORY
ch
9G
8G
7G
6G
5G
4G
3G
2G


S1
S2
S3
S4
a1
a2
f
h
j
k
b
g
m
e
r
p
n
c
Dp2
d1
d2
Dp1

(9G~2G)

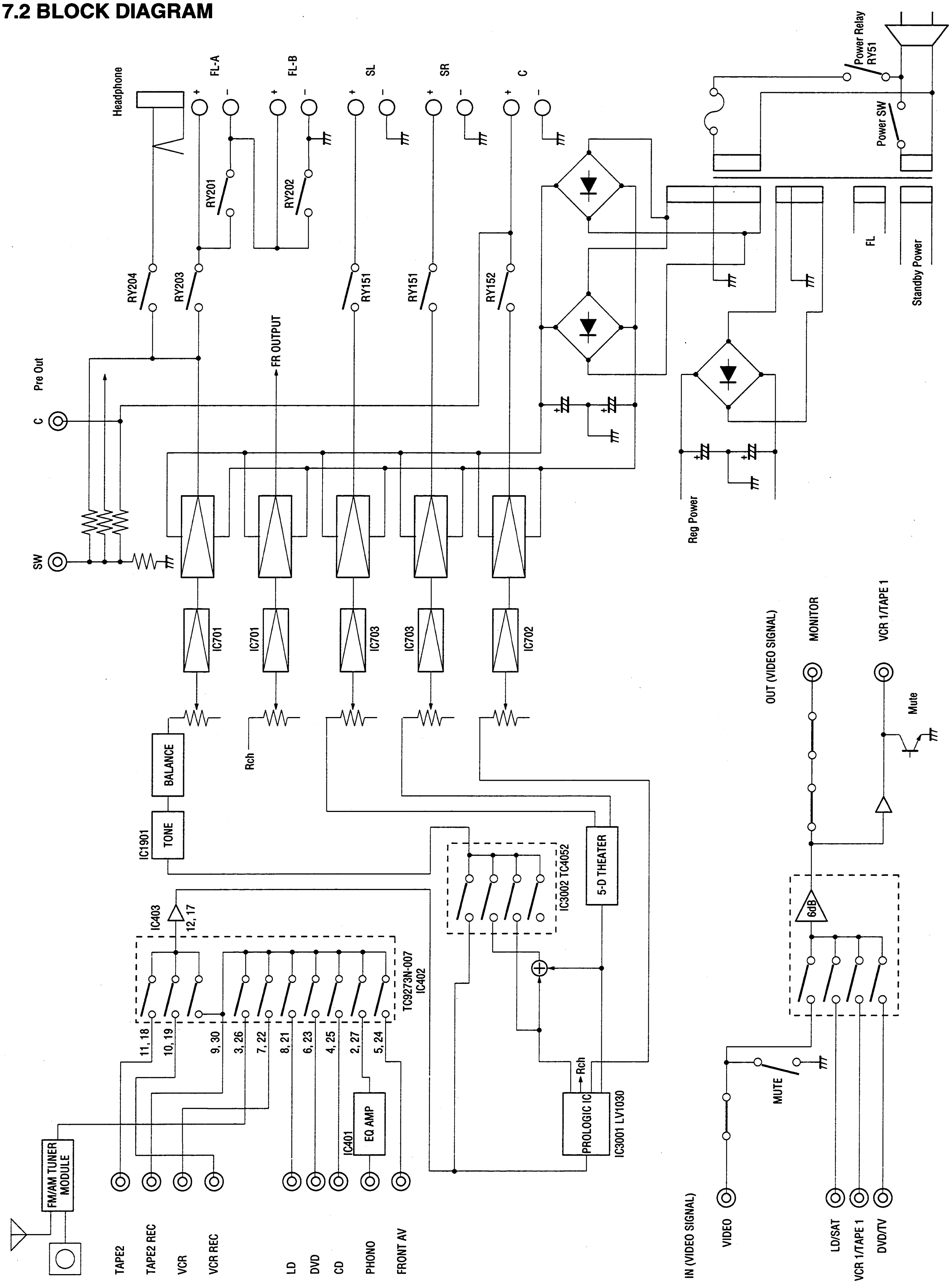

1a
2f
2b
1f
1b
2g
1g
2e
2c
1e
1h
1c
2d
1d

(1G)

● Anode Connection

	11G	10G	9G~2G	1G
P1		MONO	a1	2b, 2c
P2	▫	TUNED	a2	2g
P3	FM	STEREO	h	2d
P4	AM	RF ATT	j	2e
P5	DELAY	RDS	k	2f
P6	B	EON	b	1a
P7	A	3	f	1b
P8	SP▷	2	m	1f
P9	LOUDNESS	1	g	1g
P10	PRO LOGIC	EON	c	1c
P11	–	CLASS	e	1h
P12	–	TAPE 2	r	1e
P13	–	DIRECT	p	1d
P14	–	SFC	n	ch
P15	–	5-D THEATER	d1	MEMORY
P16	–	–	d2	SEARCH
P17	–	–	Dp1	CHARA
P18	–	–	S1, S3	GUI
P19	–	–	S4	FREQ
P20	–	–	S2	ST
P21	–	–	Dp2	JOG MODE

7.2 BLOCK DIAGRAM

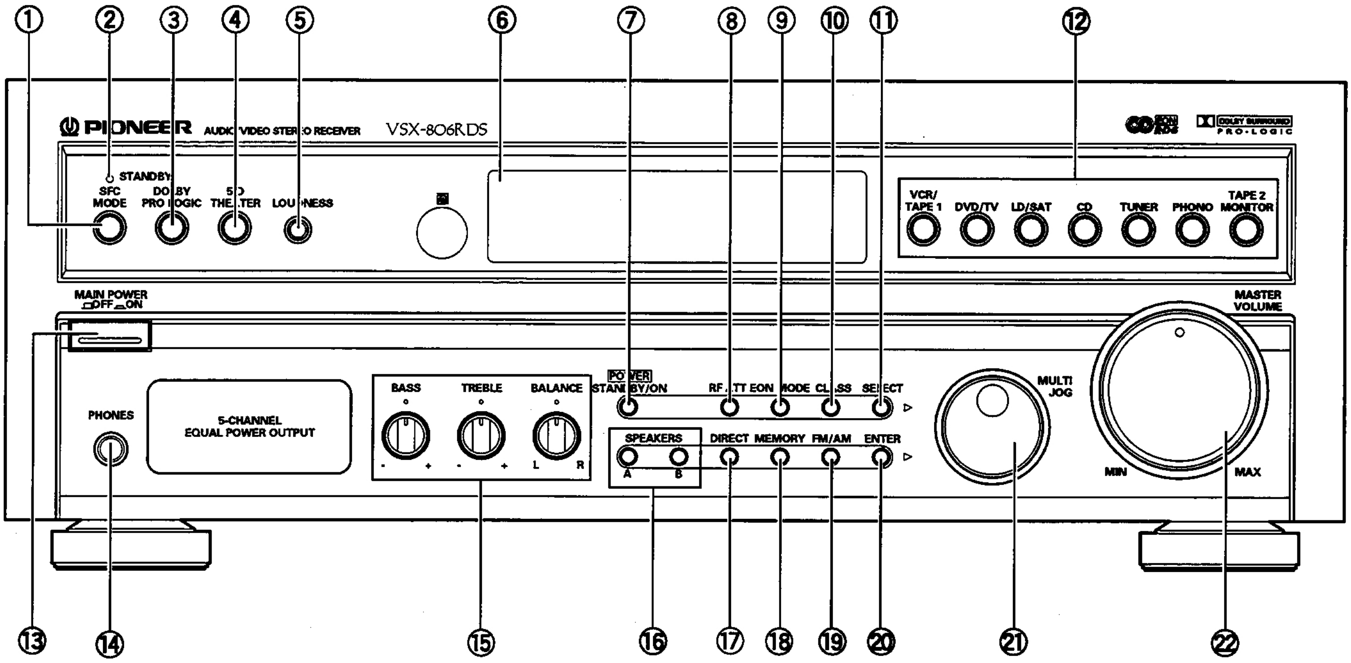

Headphone
FL-A
FL-B
SL
SR
C
+
-
RY201
RY202
RY204
RY203
RY151
RY151
RY152
Power Relay
RY51
Power SW
FL
Standby Power
Reg Power
Pre Out
C
SW
FR OUTPUT
IC701
IC701
IC703
IC703
IC702
Rch
BALANCE
TONE
IC1901
5-D THEATER
IC3002 TC4052
IC403
12, 17
TC9273N-007
IC402
11, 18
10, 19
9, 30
3, 26
7, 22
8, 21
6, 23
4, 25
2, 27
5, 24
IC401
EQ AMP
PROLOGIC IC
Rch
IC3001 LV1030
FM/AM TUNER MODULE
TAPE2
TAPE2 REC
VCR
VCR REC
LD
DVD
CD
PHONO
FRONT AV
OUT (VIDEO SIGNAL)
MONITOR
VCR 1/TAPE 1
Mute
6dB
MUTE
IN (VIDEO SIGNAL)
VIDEO
LD/SAT
VCR 1/TAPE 1
DVD/TV

8. PANEL FACILITIES AND SPECIFICATIONS

NAMES OF PARTS

* The size of characters shown in the figure may differ from that on the actual product.

Front panel


①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
PIONEER AUDIO/VIDEO STEREO RECEIVER VSX-806RDS
PRO·LOGIC
STANDBY
SFC MODE
DOLBY PRO LOGIC
5-D THEATER
LOUDNESS
VCR/ TAPE 1
DVD/TV
LD/SAT
CD
TUNER
PHONO
TAPE 2 MONITOR
MAIN POWER
OFF ON
MASTER VOLUME
PHONES
5-CHANNEL EQUAL POWER OUTPUT
BASS
TREBLE
BALANCE
POWER STANDBY/ON
RF ATT
EON MODE
CLASS
SELECT
SPEAKERS
A
B
DIRECT
MEMORY
FM/AM
ENTER
MULTI JOG
MIN
MAX
⑬
⑭
⑮
⑯
⑰
⑱
⑲
⑳
㉑
㉒

① **SFC MODE button**

② **STANDBY indicator**

③ **DOLBY PRO LOGIC button**
Switches DOLBY PRO LOGIC SURROUND on and off.

④ **5-D THEATER button**

⑤ **LOUDNESS button**
Press this button when the volume is low to raise the low and high range levels so that the sound can be heard more easily.

⑥ **Display**

⑦ **POWER STANDBY/ON button**

⑧ **RF ATT button**
Set this button to on when receiving strong FM signals (nearby stations) to reduce sound distortion. Normally, this button should be set off. This button does not affect AM reception.

⑨ **EON MODE button**

⑩ **CLASS button**

⑪ **SELECT button**
Use to switch the control of the MULTI JOG between station mode and frequency mode when operating the tuner.

⑫ **Function buttons**

⑬ **MAIN POWER switch**

⑭ **PHONES jack (Headphone terminal)**

⑮ **TONE and BALANCE controls**
Use to adjust tone and volume balance.

⑯ **SPEAKERS A, B buttons**
ON/OFF switches for the A and B speaker systems.

⑰ **DIRECT button**
Use to play back sound without going through the tone and balance control circuits. DOLBY MODE, DSP MODE and LOUDNESS also turn off.

⑱ **MEMORY button**

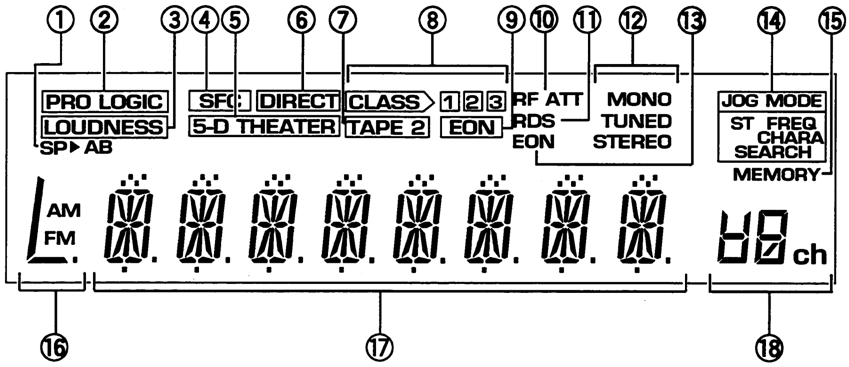
⑲ **FM/AM button**
Use to switch the FM/AM frequency band reception.

⑳ **ENTER button**

㉑ **MULTI JOG**

㉒ **MASTER VOLUME**

Display


①
②
③
④
⑤
⑥
⑦
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
PRO LOGIC
LOUDNESS
SP▶AB
SFC
DIRECT
5-D THEATER
CLASS
1 2 3
TAPE 2
EON
RF ATT
RDS
EON
MONO
TUNED
STEREO
JOG MODE
ST FREQ
CHARA
SEARCH
MEMORY
AM
FM
ch
⑯
⑰
⑱

① **Speakers A, B indicator**
The indicator of the speaker system (A, B) selected will light.

② **PRO LOGIC indicator**
Lights when Dolby Pro Logic is selected.

③ **LOUDNESS indicator**
Lights when LOUDNESS is ON.

④ **SFC indicator**
Lights when the SFC mode is selected.

⑤ **5-D THEATER indicator**
Lights in the 5-D THEATER mode.

⑥ **DIRECT indicator**
Lights when DIRECT is ON.

⑦ **TAPE 2 indicator**
Lights when TAPE 2 MONITOR is ON.

⑧ **CLASS 1, 2, 3 indicators**
The indicator of the class number selected lights.

⑨ **EON MODE indicator**
Lights when EON MODE is ON.

⑩ **RF ATT indicator**

⑪ **RDS indicator**
Lights when a RDS broadcast is received.

⑫ **TUNER indicator**

MONO:
Lights when the monaural mode is set using the MPX MODE button.

TUNED:
Lights when broadcasts are being received.

STEREO:
Lights when stereo broadcasts are received during auto stereo mode.

⑬ **EON indicator**
Lights when a station broadcasting EON information is received.

⑭ **JOG MODE indicator**

ST:
Lights when the station mode is selected.

FREQ:
Lights when the frequency mode is selected.

CHARA:
Lights when the station name memory mode is selected.

SEARCH:
Lights when the program type search mode is selected.

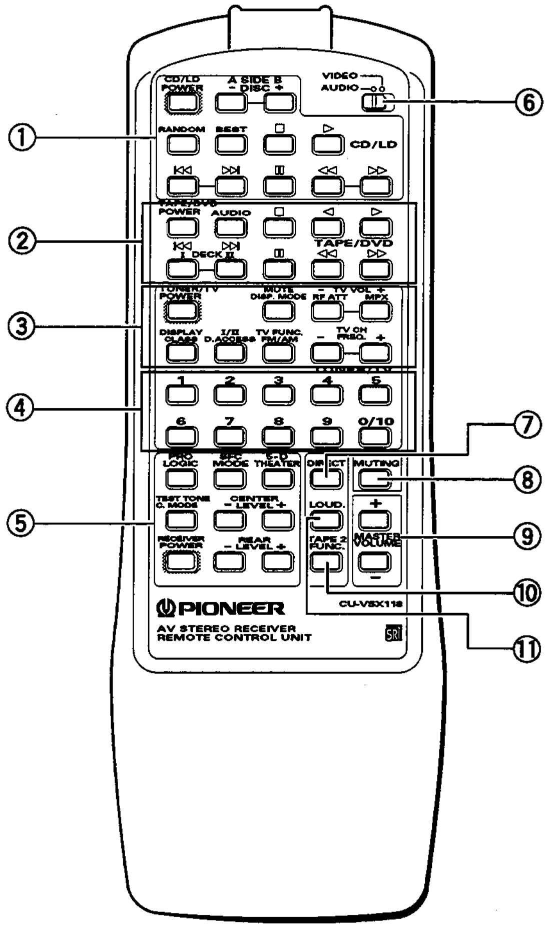
⑮ **MEMORY indicator**
Lights when station memory mode is set.

⑯ **AM/FM indicators**
The indicator of the band currently selected (AM/FM) lights.

⑰ **CHARACTER display**

⑱ **STATION display**
Indicates the station number currently selected.

Remote control unit



① CD/LD buttons

(When the MODE switch is set to AUDIO)
Sets CD.
CD POWER ON/OFF, DISC –/+, RANDOM, BEST, □, ▷, |◁◁, ▷▷|, ⏸, ◁◁, ▷▷
(When the MODE switch is set to VIDEO)
Sets LD.
LD POWER ON/OFF, SIDE A/B, □, ▷, |◁◁, ▷▷|, ⏸, ◁◁, ▷▷

② TAPE/DVD buttons

(When the MODE switch is set to AUDIO)
Sets TAPE DECK.
TAPE POWER ON/OFF, □, ◁, ▷, DECK I/II, ⏸, ◁◁, ▷▷
(When the MODE switch is set to VIDEO)
Sets DVD.
DVD POWER ON/OFF, AUDIO, □, ▷, |◁◁, ▷▷|, ⏸, ◁◁, ▷▷

③ TUNER/TV buttons

(When the MODE switch is set to AUDIO)
Sets FM/AM tuner.
DISP. MODE, RF ATT, MPX, CLASS, D. ACCESS, FM/AM, FREQ –/+

MPX
Use to switch the auto stereo/monaural mode for receiving FM broadcasts. When the received broadcast signal is weak, press this button to set the monaural mode.
(When the MODE switch is set to VIDEO)
Sets TV.
TV POWER ON/OFF, MUTE, TV VOL –/+, DISPLAY, I/II, TV FUNC, TV CH –/+

④ Number buttons

⑤ RECEIVER buttons

PRO LOGIC
Use to turn ON/OFF DOLBY PRO LOGIC surround.
SFC MODE
Use to select from 2 types of SFC MODE.
→ STUDIO → ARENA
SURR OFF ←
5-D THEATER
Use to select from 2 types of 5-D THEATER.
→ 5-D PRO LOGIC → 5-D SURR
SURR OFF ←
TEST TONE/C.MODE
(When the MODE switch is set to VIDEO)
TEST TONE
When SFC MODE or DOLBY PRO LOGIC is ON, volume balance adjustment signals are output in order from each speaker and center/rear level can be adjusted.
(When the MODE switch is set to AUDIO)
C.MODE
Switches the center mode.
→ NORMAL → WIDE
3ch LOGIC ← PHANTOM ←
CENTER LEVEL –/+
Adjusts the center level.
RECEIVER POWER
Use to switch the RECEIVER power to ON or STANDBY.
REAR LEVEL –/+
Adjusts the rear level.

⑥ MODE switch

Use to switch the remote control unit modes.

⑦ DIRECT button

⑧ MUTING button

Turns ON when the volume is muted.

⑨ MASTER VOLUME –/+ buttons

Use to adjust the volume.

⑩ TAPE 2/FUNC. button

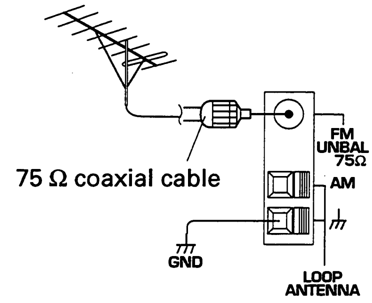
(When the MODE switch is set to VIDEO)
TAPE 2
Use to turn ON the TAPE 2 monitor.
(When the MODE switch is set to AUDIO)
FUNC. (FUNCTION)
Use to switch the function.

⑪ LOUD. (LOUDNESS) button

CONNECTING DEVICES

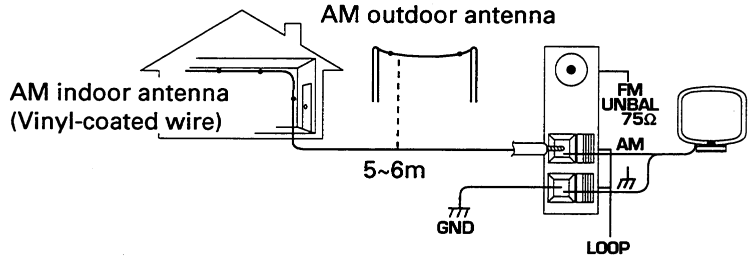
Before making or changing the connections, switch off the power switch and disconnect the power cord from the AC outlet.

■ For better reception of signals, use an FM external antenna.


75 Ω coaxial cable
FM UNBAL 75Ω
AM
GND
LOOP ANTENNA

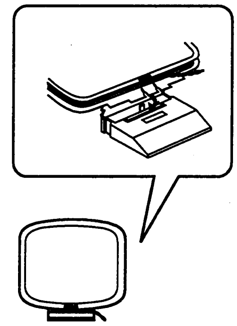
■ When AM broadcast reception is poor

Connect a 5 to 6 meter long vinyl-coated wire to the AM antenna terminal. If possible draw horizontally outdoors to achieve better reception.

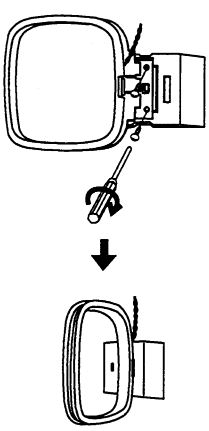

AM outdoor antenna
AM indoor antenna
(Vinyl-coated wire)
5~6m
FM UNBAL 75Ω
AM
GND
LOOP ANTENNA

Don't detach the AM loop antenna.

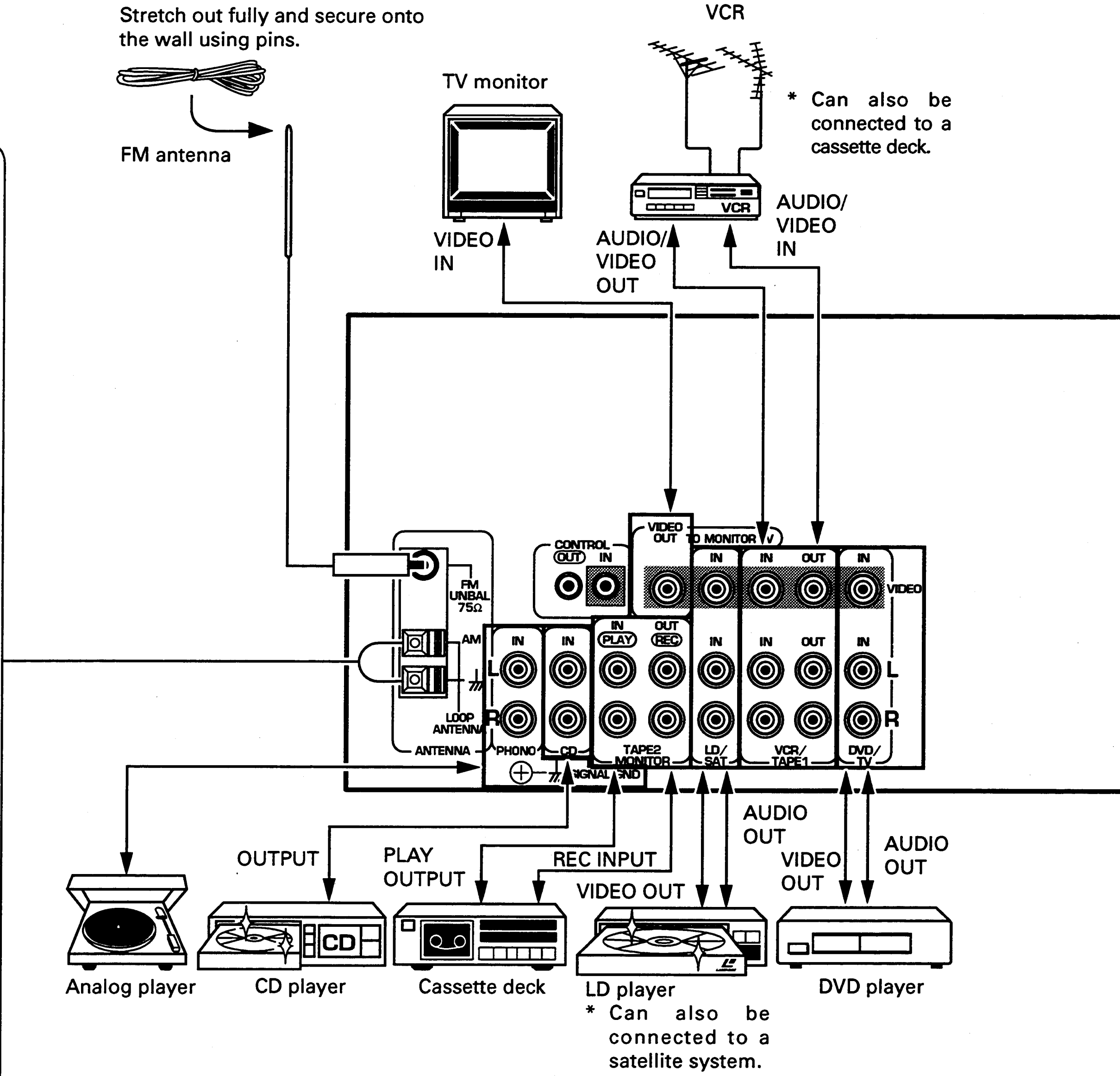
■ Assembling the AM loop antenna



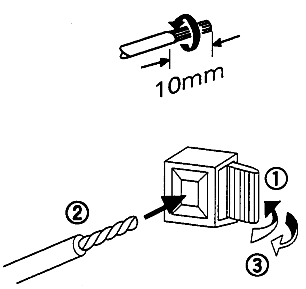
When attaching on a wall, etc.



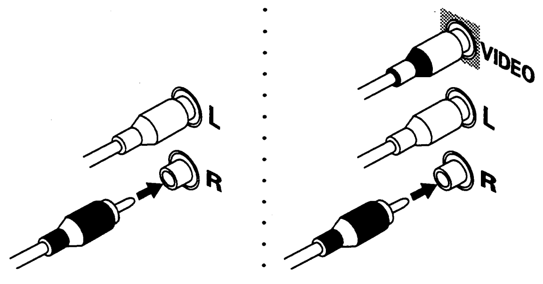
Face towards the direction with the best reception.


Stretch out fully and secure onto the wall using pins.
FM antenna
TV monitor
VCR
* Can also be connected to a cassette deck.
VIDEO IN
AUDIO/ VIDEO OUT
AUDIO/ VIDEO IN
VCR
CONTROL
OUT
IN
VIDEO OUT
TO MONITOR TV
IN
IN
OUT
IN
VIDEO
FM UNBAL 75Ω
AM
LOOP ANTENNA
ANTENNA
IN
IN
IN
OUT
PLAY
REC
IN
IN
OUT
IN
L
R
PHONO
CD
TAPE2 MONITOR
LD/ SAT
VCR/ TAPE1
DVD/ TV
SIGNAL GND
OUTPUT
PLAY OUTPUT
REC INPUT
VIDEO OUT
AUDIO OUT
VIDEO OUT
AUDIO OUT
CD
Analog player
CD player
Cassette deck
LD player
* Can also be connected to a satellite system.
DVD player

■ AM antenna terminal



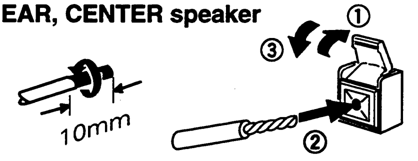
■ Input/output plugs



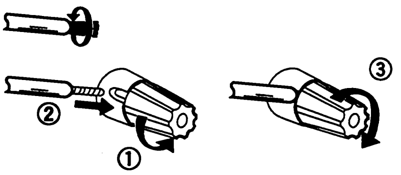
Connect the white plug to L, red plug to R, and yellow plug to VIDEO. Be sure to insert completely.

■ Speaker terminals

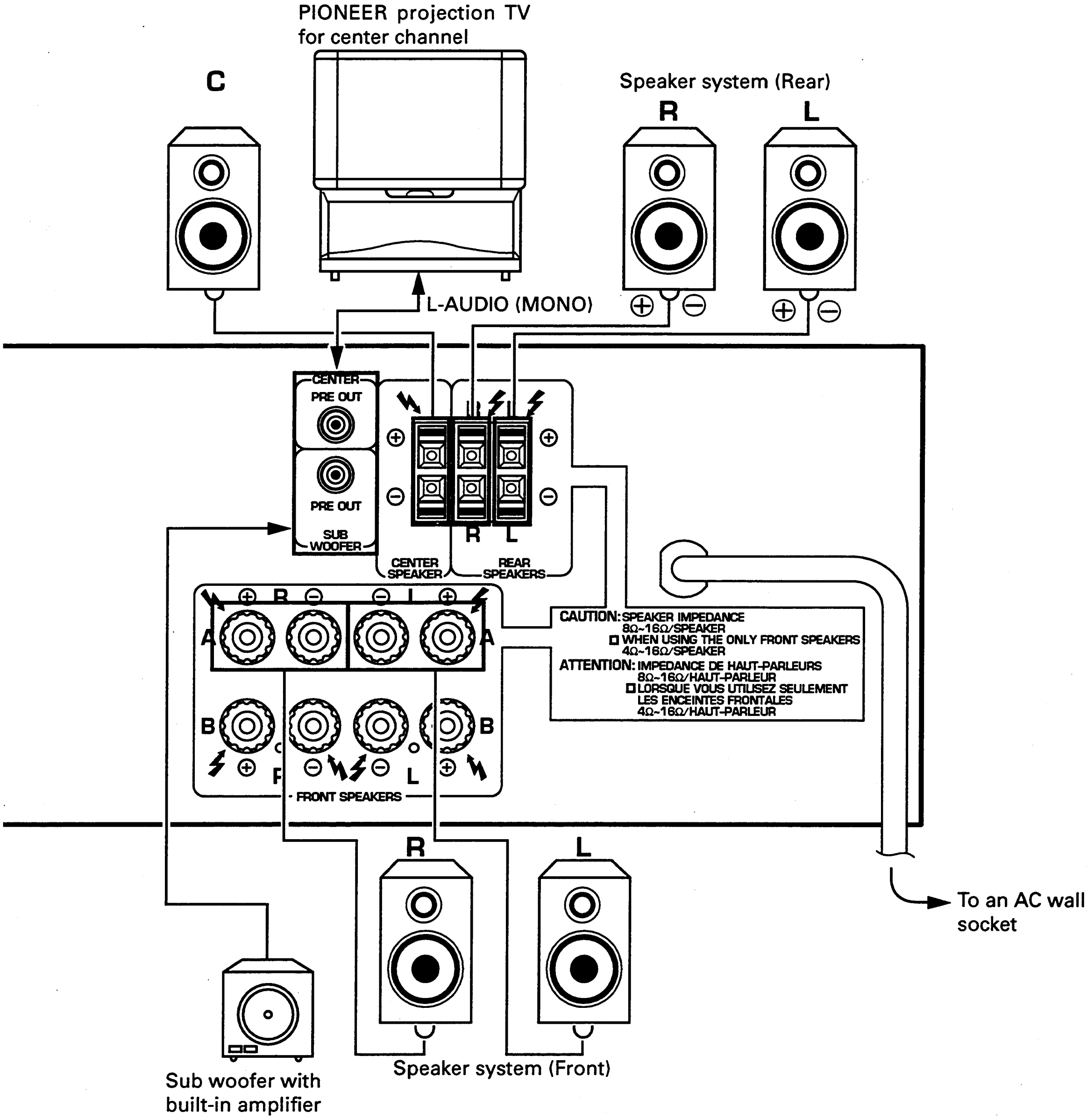
REAR, CENTER speaker



FRONT speaker



* The size of characters and terminal positions in the figures may differ from those on the actual product.


PIONEER projection TV
for center channel
C
Speaker system (Rear)
R
L
L-AUDIO (MONO)
CENTER
PRE OUT
PRE OUT
SUB
WOOFER
R
L
CENTER
SPEAKER
REAR
SPEAKERS
R
L
A
A
B
B
FRONT SPEAKERS
CAUTION: SPEAKER IMPEDANCE
8Ω~16Ω/SPEAKER
WHEN USING THE ONLY FRONT SPEAKERS
4Ω~16Ω/SPEAKER
ATTENTION: IMPEDANCE DE HAUT-PARLEURS
8Ω~16Ω/HAUT-PARLEUR
LORSQUE VOUS UTILISEZ SEULEMENT
LES ENCEINTES FRONTALES
4Ω~16Ω/HAUT-PARLEUR
R
L
To an AC wall socket
Sub woofer with
built-in amplifier
Speaker system (Front)

* The sub woofer can be connected in a different way. For details, refer to the instructions on the sub woofer.

memo

Use nominal impedances ranging from 8 Ω to 16 Ω for the speaker system.
When using the only front speakers, use nominal impedances ranging from 4 Ω to 16 Ω.

SPECIFICATIONS

Amplifier Section

Continuous average power output of 65 watts* per channel, min., at 8 ohms, from 20 Hz to 20,000 Hz with no more than 0.09 % total harmonic distortion (front).**

Continuous Power Output		
(DIN, 1 kHz, T.H.D. 1 %, 4 Ω)		
STEREO	Front	110 W + 110 W
(DIN, 1 kHz, T.H.D. 1 %, 8 Ω)		
STEREO	Front	80 W + 80 W
SURROUND	Front	60 W + 60 W
	Center	60 W
	Rear	60 W + 60 W

Input (Sensitivity/Impedance)	
PHONO MM	2.8 mV/47 kΩ
LD/SAT, CD, VCR/TAPE 1, TAPE 2 DVD/TV, VIDEO	200 mV/47 kΩ
Phono Overload Level (T.H.D. 0.1 %, 1kHz)	
PHONO MM	100 mV
Frequency Response	
PHONO MM	20 Hz to 20,000 Hz ± 0.5 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2 DVD/TV, VIDEO	5 Hz to 100,000 Hz $^{+0}_{-3}$ dB
Output (Level/Impedance)	
VCR/TAPE 1 REC, TAPE 2 REC	200 mV/1 kΩ
Tone Control	
BASS	± 9 dB (100 Hz)
TREBLE	± 9 dB (10 kHz)
Signal-to-Noise Ratio [DIN (Continuous power output/50 mW)]*	
PHONO MM	67 dB/61 dB
LD/SAT, CD, VCR/TAPE 1, TAPE 2 DVD/TV, VIDEO	82 dB/62 dB

* *Direct: ON*

** *Measured by Audio Spectrum Analyzer.*

VIDEO Section

Input (Sensitivity/Impedance)	
LD/SAT, VCR, DVD/TV, VIDEO	1 Vp-p/75 Ω
Output (Level/Impedance)	
VCR REC, MONITOR TV	1 Vp-p/75 Ω
Frequency Response	
LD/SAT, VCR, DVD/TV, VIDEO → MONITOR	5 Hz to 7 MHz $^{+0}_{-3}$ dB
Signal-to-Noise Ratio	55 dB
Cross Talk	55 dB

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FM Tuner Section

Frequency Range	87.5 MHz to 108 MHz
Usable Sensitivity	Mono: 14.2 dBf, IHF (1.4 μV/75 Ω)
50 dB Quieting Sensitivity	Mono: 18 dBf Stereo: 38.3 dBf
Signal-to-Noise Ratio	Mono: 76 dB (at 85 dBf) Stereo: 72 dB (at 85 dBf)
Distortion	Stereo: 0.6 % (1kHz)
Alternate Channel Selectivity	70 dB (400 kHz)
Stereo Separation	40 dB (1 kHz)
Frequency Response	30 Hz to 15 kHz (± 1) dB
Antenna Input	75 Ω unbalanced
Sensitivity (DIN)	Mono: 1.0 μV (S/N 26 dB) Stereo: 50 μV (S/N 46 dB)
Signal-to-Noise Ratio (DIN)	Mono: 62 dB Stereo: 58 dB

AM Tuner Section

Frequency Range	531 kHz to 1,602 kHz
Sensitivity (IHF, Loop antenna)	350 μV/m
Selectivity	30 dB
Signal-to-Noise Ratio	50 dB
Antenna	Loop antenna

Miscellaneous

Power Requirements	AC 230 V, 50/60 Hz
Power Consumption	770 W
Dimensions	420 (W) × 155 (H) × 435 (D) mm
Weight (without package)	12.0 kg

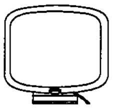
Furnished Parts

FM Antenna	1
AM Loop Antenna	1
Dry Cell Batteries [size "AA" (IEC R6)]	2
Remote Control Unit	1
Operating Instructions	1
Warranty Card	1

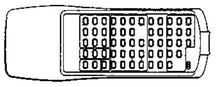
NOTE:

Specifications and the design are subject to possible modifications without notice, due to improvements.

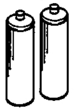
FM antenna



AM loop antenna



Remote control unit
(CU-VSX118)



Dry cell battery (size "AA"
IEC R6P) x 2